Principal Engineer 1

Job summary

 Principal Engineer provides technical leadership and direction to ensure engineering strategies and resulting designs meet customer, company, and regulatory requirements. Capable of overseeing high-impact, complex, urgent, or otherwise critical issues and driving the required cross-department collaboration and execution to ensure success. Leads the development of new and novel engineering methods, techniques, and strategies by business plans. Possesses industry recognition and mentors engineering staff within their discipline.

Responsibilities

Provides clear and effective guidance for technical approaches to accomplish certification of Greenpoint designs by employing methodologies that bring the greatest overall value to the company.

Establishes and maintains relationships with essential internal and external technical experts to ensure technical expertise is available and program requirements are being achieved.

Provides technical leadership and mentoring of engineering staff to ensure efficient accomplishment of goals and objectives. Serves as a mentor and fosters internal growth as it relates to engineering capabilities within the organization.

Provides input and guidance during all phases of programs to solve challenging technical issues.

Identifies new and novel engineering and certification solutions to facilitate the completion of company projects.

Provides technical review and approval of engineering designs, especially those that are of high risk or new technology.

Presents technical concepts, engineering, and certification basis for designs to Designated Engineering Representatives (DERs) and regulatory agencies.

Partners with vendors and suppliers to ensure that engineering methods, approaches, and products meet Company engineering requirements.

Evaluate suppliers for technology and engineering capabilities and methods.

Advances technical design concepts for the engineering department taking into account cost competitiveness, market differentiators, new technology advancements, and risk.

Partners with management to assist in recruiting, hiring, training, and employee performance evaluations as required.

Assists engineering managers in holding the team to effective behavior through mentoring and coaching, setting expectations, and modeling the Code of Conduct.

Supports and champions corporate directives, policies, and initiatives.

Maintains regular attendance including being at work, being on time to work, and working full shifts.

Other duties may be assigned.

Requirements

Bachelor of Science (B.S.) in Engineering and minimum 10 years related experience, or equivalent combination of education and experience.

Experience working with the FAA and other regulatory agencies.

Demonstrates mastery of knowledge in the engineering field, broadly across disciplines with emphasis on application to the Greenpoint business.

Ability to simulate and analyze complex engineering problems.

Ability to motivate and inspire team efforts to accomplish goals.

Ability to work well independently and cross-functionally as part of an established and growing team.

Ability to build effective working relationships, persuade and influence, and problem-solve complex issues.

Strong communication, time management, and organizational skills.

Ability to read, analyze, and interpret the most complex documents.

Ability to respond effectively to the most sensitive inquiries or complaints.

Ability to make effective and persuasive speeches and presentations on controversial or complex topics to top management or project teams.

Ability to read, analyze, and interpret general business periodicals, professional journals, technical procedures, or governmental regulations.

Ability to write reports, business correspondence, and procedure manuals.

Ability to effectively present information and respond to questions from groups of directors, managers, clients, customers, and the general public.

Ability to work with mathematical concepts like probability and statistical inference.

Ability to apply principles of logical or scientific thinking to a wide range of intellectual and practical problems.

Principal Engineer 2

Job summary

Principal Engineer's responsibilities of this engineering grade level inherently include and expand upon the responsibilities established for lower engineering grade levels. Responsible for compliance with applicable policies and procedures. Ensures quality and effectiveness of key results of major projects within function through sound design, early risk assessments, and implementation of fallback strategies. Has full awareness of the potential consequences (defects and failure modes) of design changes to established processes. Mitigates risk within functions through sound design, early risk assessments, and implementation of fallback strategies.

Responsibilities

Identifies, plans, and conducts medium- to large-size projects within engineering specialty requiring custom,

risk-managed execution plans, investigations, and/or equipment. Manages multiple, often concurrent, projects and meets deadlines.

Maintains project controls and reporting for cost, scope, and schedule; develops execution strategy including procurement; balances multiple demands within an Understands the business needs of the company, and has a thorough knowledge of the customer and clinical needs when developing a project scope. Incorporates business foresight of emerging technological trends.

Works with marketing, product development, and manufacturing to establish scope, priorities, and schedules on multiple projects. - Independently performs economic analysis and feasibility studies related to complex and often multiple competing project alternatives. Responsible for achieving the project's financial targets in support of business objectives. Analyzes business forces (customers, suppliers, competitors, technologies, government regulations) in major markets to identify trends and recommend responses. Independently executes, and/or directs others in the execution of the design of products/processes/equipment/systems/facilities by applying novel engineering theories, concepts, and techniques within the disciplines. experiments, often with multiple variables, gather data and perform a detailed analysis.

Designs and leads complex experiments, often with multiple variables, gathers data, and performs detailed analysis. Assesses relevance. Conceptualizes complete solutions. Creates or coordinates the design solutions for novel or complex problems; integrates regulatory and operational needs; assesses cost benefit. Explores multiple alternatives. Structures studies and integrate cross-disciplinary and cross-functional issues to arrive at the optimal cause of action.

Applies technology in innovative ways. Combines technologies to anticipate or address customer needs; shares solutions across sites; employs proven solutions to increase the effectiveness of engineering methodology or manufacturing process. Mentors others by sharing technical expertise and providing feedback and guidance. Where appropriate provides tasks/project assignment opportunities for employee development and evaluates performance. Represents the organization as the prime technical contact on contracts and projects.

Interacts with both senior management and external personnel on significant technical matters often requiring coordination between organizations. Submits articles for internal or external publication. Acts as a trusted advisor. Balances bottom-line objectives of a project with the long-term interest of the customer. Is identified as a Subject Matter Expert in the discipline. Participates in internal teams to develop and align procedures and standards. May influence validation strategy.

Requirements

A Bachelors Degree in Engineering, science, or closely related discipline is desired, or equivalent technical experience plus demonstrated competence, with a desired 8+ years of significant engineering and/or operational experience. A post-graduate education/degree is desired and may contribute towards the desired years of experience. Has demonstrated competency within a discipline.

Has a career history marked by a consistent series of technical contributions and accomplishments. A significant contribution to product or process development or improvement through the creative application of technical effort will

equally be recognized.

Possesses a strong technical knowledge and application of concepts, practices, and procedures. Works on problems of complex scope where analysis of situations or data involves multiple competing factors. Exercises judgment and advises management as to the appropriate actions.

Interacts well with diverse groups within engineering and maintains strong working relationships with internal and external collaborators.

Listens to and understands others' points of view and articulates tactfully and respectfully one's perspective orally, in writing, and in presentations.

Works well with other engineers in a collaborative, fast-paced goal-driven environment.

Possesses interpersonal skills to negotiate and reconcile differences.

Principal Engineer 3

Job summary

We are looking for an exceptional Principal Engineer who has experience building highly scalable services, can lead projects, and collaborates with many teams onsite and offshore. You will have a significant influence on our overall strategy by helping to define and drive system architecture and spearhead the best practices that enable high-availability services. If you have an entrepreneurial spirit, know how to deliver, are deeply technical and highly innovative, and are looking for leadership opportunities, we want to talk to you.

Our job descriptions evolve with our business needs and priorities. In addition to the description above, your role may include additional projects and team support as needed.

Responsibilities

Work with the development team to provide required assets and design alignment, creating complex strategies to improve the productivity of the associates and improve the quality of the specialized deliverables.

Work with business owners and multiple stakeholders across teams to create technical project plans and launch highly specialized strategic projects.

Forecast, backlog groom, sprint plan, roadmap plan, estimate, and manage delivery quality using complex delivery guidelines and tools.

Present complex user research results to stakeholders for understanding gaps and performance issues in the technical web application, business monitoring, metrics monitoring, PCI compliance audits, security compliance audits, and code quality audit participation.

Monitor the status of identified risks, take corrective actions and update risk response plans. Track impediment resolution and escalation to closure while maintaining project backlogs and reporting using complex data tools.

Work with the architecture review board to ensure project artifacts are built in compliance with organization-approved

standards.

Allocate and maintain resources, along with resourcing managers, to bring new resources into projects based on the requirements as well as identify developmental opportunities for team members.

Requirements

5+ years of professional hands-on software development experience with Java

Experience managing a software development team

2+ years of high-volume applications/systems experience

2+ years of professional experience with Spring / REST

Experience with AWS or other cloud services

Bachelor's degree in Computer Science or a related technical field, Master's degree preferred

Principal Engineer 4

Job summary

 Principal Engineer will be responsible for troubleshooting complex technical issues reported by our customer to determine if the underlying cause is an application or data integrity related and then to act on trying to remedy those issues where possible. Principal Engineers are also responsible for collaborating with upstream and downstream teams related to investigation updates, findings, and possible remediations related to customer issues. Principal Engineer assists with the ongoing refinement of workflow related to the handling of customer issues and how most efficiently and effectively to collaborate and integrate with other teams involved in the support process. This position will also be required to work with their clinical counterparts, software engineers, sales, and other BD teams to resolve customer issues to the customer's satisfaction and provide management reports on findings.

Responsibilities

Participate in the process to prioritize customer tickets as well as the troubleshooting process.

Strong ability to fix and document application issues as well as the ability to work with customers to discover possible solutions while the underlying issue is being resolved.

Prioritize efforts based on alignment with business goals, strategic direction, and timelines.

Collaborates across solution groups to ensure common processes and seamless integration.

Participate in collaborative efforts of multi-functional teams that may include members of various functions such as R&D, field operations, regulatory, quality clinical, sales, and user experience design to ensure proper integration solutions are implemented.

Understands and can apply customer, technical, and regulatory considerations with appropriate parties to identify the drivers leading to customer application and integration issues.

Evaluates alternative solutions/decisions considering the potential impact on the internal/external customer; understands the resource implications of solutions and makes customer-focused recommendations that highlight quality.

This role will be expected to perform hands-on troubleshooting and performance optimization.

Has in-depth functional expertise and broad knowledge of database, application, and integration products and methodologies.

Requirements

Ability to utilize analytical skills to participate in efforts to comprehensively analyze and interpret policies, procedures, and situations in a multifaceted way and possess strong problem-solving skills to develop innovative solutions to complex issues.

Ability to take ownership of job-specific documentation of work, and ability to mentor others to do the same.

Ability to adhere to procedural and/or regulatory requirements for Good Documentation Practices (GDP) as well as the ability to review the work of team members who are assigned similar data types to ensure that the technical output of the team conforms to best practices and standards.

Role model for the company's high ethical standards and code of conduct.

Inspires others to meet/exceed expectations daily through their enthusiasm and energy.

Identifies initiates and leads efforts to achieve objectives, teaching and mentoring others to exceed customer expectations in a timely and cost-effective manner.

Ability to develop relationships with other internal partners to assess how technologies can best streamline processes and/or add value.

Develops beneficial solutions that meet customer needs and shares key findings with others.

Influence other team members in a manner that complex problems are resolved with urgency.

Influences other team members through effective listening and communication to accomplish operational objectives.

Ability to define problems, collect data, establish facts, and draw valid conclusions.

Good organizational, time management, and problem-solving skills, and the ability to work accurately and meet deadlines with frequent interruptions.

Ability to recall, retrieve and communicate detailed or technical information, accurately, and concisely to non-technical audiences/customers.

Ability to work independently and as a member of a team.

Bachelor's degree required; advanced degree preferred.

3+ years relevant experience working with the support of SAAS-based applications.

ETL or similar processes (both batch and real-time loading) required, experience with ETL with healthcare clinical data preferred.

SQL knowledge required with the ability to demonstrate skills in reviewing stored procedures to troubleshoot application issues.

HL7 experience preferred.

Principal Engineer 5

Job summary

We are looking for a Senior Engineer who, along with their teammates, can build/prototype new ideas quickly, measure their effectiveness, and assess viability in the fast-growing Partner engagement practice. Your team, and you, will have the autonomy to define your roadmap, move at your own pace, and deliver innovative solutions.

Responsibilities

Provides high-level architectural guidance and assists the team in aligning architecture to business requirements.

Works across the organization to foster a culture of applying applicable and relevant design patterns, by the needs of

the company and guides the teams in the organization in anticipation of future use cases.

Establishes engineering strategic objectives that drive architecture and technical approach.

Champions the engineering organization with an ability to understand and deliver to real user needs.

Actively works with the security team to set and refine organization-wide security strategy. Fosters a security-first

mindset across the organization

Leads the developers in creating robust scalable solutions, following best practices, and taking advantage of

Microservices architecture.

Embrace emerging technology opportunities, and create POCs demonstrating new and improved designs.

Exhibits relentless focus on software reliability engineering standards embedded into development standards.

Be the point person for design and strategies based on business requirements, long-term strategy, and creative design.

Not be afraid to fail

Bring your whole self to work

Requirements

Bachelor's degree, or equivalent work experience

Ten or more years of relevant experience

12+ years of hands-on working experience designing and developing highly maintainable, extensible, and testable

distributed systems

6+ years of experience in designing low latency applications designed for scalability and reliability with high throughput.

6+ years of experience with open source technologies like Java, Springboot, Kafka, etc, and containerization.

Proven ability to design complex distributed applications built for high performance and throughput while being scalable

and reliable

5+ years of experience using designing and developing Microservices.

5+ years of designing and implementing solutions integrated with other internal or vendor platforms.

5+ years of experience designing and implementing data pipelines in lambda architecture.

Comfortable working with and writing synchronous and asynchronous operations

Fit into a team that has embraced continuous delivery

Experience using modern and functional programming styles

Excellent code hygiene and habits

Familiarity with source control management best practices

Solid Java experience is a must

Principal Engineer 6

Job summary

We seek a Principal Engineer with experience in hydro-mechanical systems to support military landing gear production. This role will be focused on testing and validating supplier engineering for landing gear products.

Responsibilities

Development and qualification of aircraft hydraulic brake and landing gear control system components including valves, sensors, manifolds, and cockpit controls.

Manage project life cycle from the proposal phase to entry into the service phase.

Develop and coach others.

Lead small technical development teams.

Develop component specifications, test plans, and interface documents, working with systems engineers, customers, and suppliers.

Provide technical expertise to internal functions including program management, supply chain, & supplier quality assurance.

Lead or actively participate in design reviews, communicate progress and plans, and develop project schedules & cost estimates.

Requirements

Bachelor's degree (typically in Science, Technology, Engineering, or Mathematics (STEM)) and a minimum of 8 years of prior relevant experience unless prohibited by local laws/regulations OR

Advanced Degree in a related field and minimum 5 years experience OR

In the absence of a degree, 12 years of relevant experience is required

Must be a U.S. Citizen

Experience developing hydraulic or pressure control components utilizing industry standards.

Experience developing hydraulic flow and pressure control components for aerospace applications to DO-160 or Mil-STD 810 requirements.

Experience with the application of Industry Standards (AS4941, ARP 1383, ARP 490, AS 4059, etc.) to supplier-designed components.

Has successfully developed and qualified hydraulic servo valves.

Demonstrated experience in hydraulic and hydro-mechanical system components and applications.

Experience modeling valve and hydraulic system response in Matlab Simulink or other modeling software.

Demonstrated experience managing supplier-designed equipment projects.

Principal Engineer 7

Job summary

As a Principal Engineer, you will resolve complex technical issues in a fast-paced, customer-critical environment, working on improving processes, standards, and strategies to perfect our Support Services.

Responsibilities

Effectively resolve complex technical problems with diagnostic tools, analytical tests, and other techniques

Use judgment, creativity, and sound technical knowledge to obtain and recommend solutions to internal and external customers via a variety of mediums, onsite as needed

Identify, document, and report design, reliability, and maintenance issues

Validate technical information and release early warnings to highlight potential obstacles

Guide junior support engineers on complex cases and elevated engagements

Requirements

8 to 12 years of related experience in a professional role

Dedication to quality customer service and active listening skills

Refined communication skills, especially when translating highly complex technical issues to a non-technical audience

Outstanding analytical skills to resolve customer issues efficiently and promptly

Bachelor's degree or higher

Dell Technology Proven Professional Certification

Principal Engineer 8

Job summary

This Principal Engineer role will create and support high-profile, delightfully designed Consumer Products, Commerce, Subscriptions, and service/utility offerings, along with supporting our suite of brands and sites.

Responsibilities

Leading software development projects.

Evaluating, identifying, and developing software solutions around the following areas: Data, API Development, and Content Management

Develop Proof of Concept applications

Documenting and presenting learnings and solutions to other developers and stakeholders

Training and overseeing the activities of the members of the development team

Planning, tracking, and scheduling software deliverables

Collaborate with people across the Premium Experience organization

Continuously seek to improve the performance, maintainability, extensibility, scalability, reliability, and security of Vox Media software, rebalancing priorities as needed based on the business and product outcomes required.

Requirements

8+ years of experience working with other developers on a live product

A passion for building contemporary web applications, along with an extensive understanding of best practices in development with reactive frameworks, such as React, Vue, Angular, or Next

Hands on experience with GraphQL

A comprehensive understanding of back-end development (Node and Express.js at the very minimum, but bonus points for additional expertise), and even a database or two

Knowledge of how to choose the right technology for the job, and the ability to spot when a framework will save you time, when it will get in the way, and when it isn't worth the trouble

An eagerness to mentor junior engineers, advocate for best practices and foster inclusive technical discussions

Experience with distributed systems, using standard AWS infrastructure services, such as ECS, Lambda, SNS, and Cloudwatch, or their equivalent in other cloud service providers

Working knowledge of modern identity protocols and standards like OpenID Connect, and OAuth2 is a plus

Principal Engineer 9

Job summary

As a Principal Engineer you will help solve unique engineering challenges our internal teams face while also crafting solutions to enable our customers to use our platform effectively. You'll have a direct impact on making our processes more efficient and will work directly with our engineering leadership to define the requirements necessary for a variety of projects. We pride ourselves on using the best technology for the job, maintaining high code quality while iterating with extreme speed, and sharing learnings along the way (both internally and externally).

Responsibilities

Collaborate across various departments to create innovative solutions for internal tooling, customer billing/license management, enterprise system integrations, and team efficiency

Own projects directly with the Director of Engineering from design, through development, to production

Create automated support approval workflows to remove process bottlenecks

Develop solutions to make client migration onto our platform a breeze

Have a hand in developing APIs that are a natural backend piece for a variety of internal and customer-facing projects

Quickly distill fast-moving product requirements into tangible engineering tasks and designs

Be a mentor to more junior engineers, conducting code reviews and lending a helping hand on tickets when necessary, while also iterating quickly

Write clean, readable, performant, secure, and documented code

Measure and monitor systems to make data-driven decisions; build dashboards for important metrics.

Build and contribute to open source projects

Requirements

Experience: Have at least 5 years of functional programming experience as an engineer (Must have experience with functional languages like Elixir or Erlang)

CS Foundations: Strong knowledge of computer science principles

Flexibility: Experience in handling multiple deadlines for various projects from internal tooling to feature development in a fast-moving team environment

Diving Deep: A generalist background and the ability to "go deep" anywhere in the stack

Pride In Your work: Pride for the work you do and care deeply about the products which consume your services

Effective Solution Building: Desire to shape our engineering culture by coming up with ideas, tools, and infrastructure wherever you see a problem to be solved

A Team Player Mentality: Working in highly performant and collaborative teams

Design Appreciation: Strong appreciation for good design

Mentor and Mentee: Smarts, humility, communication skills, and equal willingness to teach and learn

Principal Engineer 10

Job summary

We are looking for a Principal Engineer eager to help build the next generation of robots and IoT devices. You will work with a team of creative and talented individuals, where we have the freedom to question the ingrained norms and propose new solutions.

Responsibilities

You will work closely with members of your immediate team, product owners, architects, internal industry experts, and other software engineering teams to develop high-quality solutions. You will be detail-oriented, self-directed, and self-motivated, with a strong capacity for working successfully and collaboratively with members across the organization.

Participate in requirements discovery, solution ideation, and design.

Design and build the next generation of robot control.

Gain a core understanding of the robotics industry.

Practice agile development methods and exemplify the core values of transparency, collaboration, acceptance of change, and iterative development.

Learn from, collaborate with, and mentor team members to boost overall team performance.

Facilitate technical conflict resolution with active listening and critical thinking.

Produce appropriate unit tests and documentation.

Advocate for reducing friction to/in the development lifecycle.

Requirements

Bachelor's degree or four or more years of work experience.

Six or more years of relevant experience.

Six or more years of software engineering experience.

Expertise in C/C++, Rust, or Java.

Excellent knowledge of software design patterns.

Ability and willingness to learn new technologies quickly.

Ability and willingness to work in a collaborative agile team.

Excellent written and verbal communication skills.

An ownership mindset.

Experience working with microcontrollers and/or PLCs

Experience working with embedded systems

Built a robot at work, school, or home

Experience with Raspberry Pi and/or Arduino

Experience working with QEMU or other emulation systems

Experience working with Docker or Kubernetes