JT Archie in

Lead Software Engineer
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Profile Summary

- Lead Software Engineer with over 16 years of experience piloting engineering teams in multiple industries, including music platforms, cloud computing, software configuration management, and social media applications.
- Subject Matter Expert in Software Configuration Management, DevOps/Build and configuration management, and developing CI/CD pipelines.
- Talented programmer, with a solid command of JavaScript/TypeScript, Go, Ruby on Rails, and Nest.js. Proficient in databases such as PostgreSQL and MySQL, cloud and DevOps services like AWS and GCP, and methodologies such as Test Driven Development (TDD) for building high-quality software.
- Adept learner with the ability to quickly acquire and master new skills, and enthusiastic problem-solver confident in proposing original and ingenious solutions.
- Engaged collaborator with strong interpersonal skills, able to influence and align multiple teams with conflicting priorities to drive progress under aggressive time constraints.
- Ability to effectively navigate ambiguity, complexity and change when stakes and pressure are high, and lead without authority to overcome obstacles and ensure delivery.
- Trusted advisor to the leadership team, delivering efficient recommendations to align technology investments with business strategy, driving growth and innovation.
- Respected leader with mentorship experience, and who greatly cares about recruiting & nurturing talent, while developing a culture of excellence.

Technical Skills

Languages: JavaScript/TypeScript, Node.js, Go, Ruby, GraphQL, HTML, CSS
Frameworks & Libraries: Ruby On Rails, Nest.js
Databases: PostgreSQL, MySQL
Dev Tools: Git, GitHub
Cloud & DevOps: CI/CD, AWS, GCP
Concepts & Methodologies: Extreme Programming, Test Driven Development (TDD)

Professional Experience

Saber Consulting ⧉ Coach   Denver, CO Dec. 2022 - Present

- Provided expert advice to multiple businesses, formulating strategies for software engineering and technical product management.
- Conducted meetings with customers to understand and analyze their business goals and align recommendations to their overarching strategy. Conveyed challenges and opportunities in a clear and concise way, adapting the message to each client's specific technical literacy.

Move, Inc. ⧉ Senior Staff Engineer   Denver, CO Sep. 2021 - Present

- Directed and supervised a group of 8 engineers in the creation and execution of user journey enhancements throughout the Realtor suite of websites, employing advanced NestJS, GraphQL, AWS Neptune Graph, and Typescript technologies to deliver outstanding results.
- Coordinated with stakeholders such as Front-End Development and Mobile (iOS & Android) teams, as well as the Director of Engineering for Personalization Enablement to develop and implement quarterly project objectives, prioritize functionalities, set technical standards, and guarantee seamless integration across Realtor websites.
- Thoroughly assessed and defined technical requirements, to design a system architecture optimized for speed and scalability, with clarity on time, cost and impact.
- Led the successful scaling of a critical application to handle over 150,000 requests per minute, implementing advanced load balancing strategies and successfully reducing infrastructure expenses by 10% while diminishing failure rate by 45%.
- Identified and achieved the strategic termination of outdated applications and coordinated with internal teams, saving the company $600k a year on infrastructure costs.
- Facilitated technical meetings to discuss new features, decompose user stories into actionable tasks, and provide accurate estimations, ensuring the successful delivery of the project within the defined timeline.
- Imparted valuable technical knowledge and direction to individual team members through consistent collaboration and weekly one-on-one sessions. Offered invaluable career advice and mentorship, fostering the professional development of team members.

- Constantly pursued opportunities for learning and self-development, by utilizing LinkedIN learning and studying with management books, and staying abreast of emerging technologies and best practices in the web and cloud development fields, as well as leadership methodologies.

Shopify ⧉ Senior Staff Developer   **Denver, CO** Mar. 2021 - Jul. 2021

- Participated in the technical effort of a renown music platform company, by spearheading the core backend team as Technical Lead, meticulously crafting and perfecting the GraphQL API utilizing Ruby on Rails, ultimately revolutionizing the system architecture.
- Dramatically decreased the rendering duration of developer documentation by a factor of 20, implementing innovative optimization techniques to guarantee a fluid and intuitive user experience.

VMWare ⧉ Senior Member of Technical Staff   **Denver, CO** Jan. 2020 - Jan. 2021

- Rejoined Pivotal as Tech Lead following its acquisition by VMware, significantly impacting the company's technological direction and taking decisive actions to fulfill responsibilities.
- Integrated Golang for feature development, product management, and community maintenance of the Open Source Cloud Foundry platform management tool om, shortening the team's deployment and product releases from 25 hours to 15 minutes - the fastest within the company.
- Formulated CI/CD processes to automate security updates, produce release notes, and facilitate same-day release, ensuring rapid application security measures and speeding-up platform installation by 50%.
- Engaged with the leadership team to provide expertise on latest best practices & technologies and advise on potential process improvement.
- Presented to stakeholders, leveraging storytelling and adapting messages to specific audiences, to ensure understanding and alignment with various stakeholders.

Pivotal Cloud Foundry ⧉ Staff Engineer   **Denver, CO** Dec. 2014 - Jan. 2020

- Assisted various groups and components within the Cloud Foundry Platform, employing expertise in Golang and demonstrating adaptability with Ruby, Python, Java, and Bash, while working closely with cross-functional teams to ensure the delivery of high-caliber software.
- Championed several endeavors to retire products by counseling clients on suitable alternatives and managing their migration, which contributed to seamless transitions. Cooperated with clients to comprehend their objectives and requirements, and guided them in successfully adopting new products.
- Employed concourse.ci for constructing pipelines essential for automation tooling in numerous projects, resulting in streamlined operations and stabilized processes and releases. Conceived and executed the pull request resource for concourse, thereby enhancing testing workflows for open source projects and expediting the software delivery process , leading to an increase in user satisfaction.
- Incorporated Pivotal's methodologies for pairing and test-driven development (TDD) to instruct junior engineers across a multitude of projects, fostering their growth as proficient team members and promoting the production of superior, stable software with a decrease in defect rates.
- Offered technical guidance and support to enable team expansion and success, contributing to an increase in overall team productivity.

Pivotal Labs ⧉ Software Engineer   **New York, NY** May 2010 - Feb. 2014

- Completed 9+ projects ranging from rescue missions, small start-up ventures, and large enterprise clients as a consultant, adapting quickly to changing technology stacks, different business domains, and ambiguous product requirements. Excelled in rapidly learning new technologies and understanding various and applying them for successful product growth.
- Actively promoted Pivotal Labs' strong culture of pair programming, test-driven development, and agile development practices to all projects. Advocated for agile methodologies and fostered a collaborative environment to support team success.

Context Optional Software Engineer   **SF, CA** Aug. 2008 - Jan. 2010

- Developed robust social media applications using Ruby on Rails and MySQL, catering to millions of users across Facebook and OpenSocial platforms, while diligently addressing software issues and adhering to architectural guidelines.

Chumby Industries Software Engineer   **San Diego, CA** Feb. 2007 - Aug. 2008

- Integrated Ruby on Rails, MySQL, HTML5, CSS, JavaScript, and Bootstrap to construct a multifaceted network of websites encompassing community, e-commerce, and marketing applications.

Soapbox Mobile ⧉ Software Engineer   **San Diego, CA** Feb. 2007 - Aug. 2008

- Developed sophisticated SMS marketing applications employing WAP, SMS protocol, and PHP in collaboration with an agile team of engineers for expedited deployment and testing.