

# JT Archie

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I'm a full-stack engineer and tech lead with experience in hiring, building, and mentoring product teams, enabling the successful delivery of applications serving single users to millions. I've learned that problem-solving, communication, and collaboration can be as important as technology.

## Technical Skills

- Languages: Go (7 years), Ruby (12 years), Javascript (10 years), Typescript (3 years)
- Frameworks & Libraries: Ruby On Rails (12 years), Nest.js (3 years)
- Databases: PostgreSQL (10 years), SQLite (8 years) MySQL (5 years)
- Cloud & DevOps: CI/CD, AWS (10 years), GCP (8 years)
- Concepts & Methodologies: Pair Programming, Test Driven Development (TDD)

## Professional Experience

### **Saber Consulting** Coach Denver, CO Dec. 2022 - Present

- Provided expert advice to help clients convert their legacy CAD models to Jupyter Notebooks to ensure the ability to use new tooling and share documents.
- Conducted one-on-one with clients to provide insight on improving their technical knowledge to level up their careers.

### **Move, Inc.** Senior Staff Engineer Denver, CO Sep. 2021 - Apr. 2023

- *Technologies:* Ruby on Rails, Typescript, NextJS, NestJS, Neptune, GraphQL, React, MongoDB, ECS
- 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 enhance multi-site user experience.
- Coordinated with stakeholders such as Front-End Development and Mobile (iOS & Android) teams and 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.
- Pioneering a practical testing framework, I ensured the optimal utilization of AWS Lambda at Edge, enabling faster developer feedback loops by allowing local emulation.
- Successfully leading the scaling of a critical application, I implemented advanced load balancing strategies, resulting in its capability to handle over 150,000 requests per minute. This initiative reduced infrastructure expenses by 10% and significantly decreased the failure rate by 45%.
- Identified and achieved the strategic termination of outdated applications and coordinated with internal teams, saving the company \$600k annually on infrastructure costs.
- Comprehensively assessing and defining technical requirements, I strategically analyzed the legacy user login experience application with a build versus buy decision. Leveraging metrics such as cost and time to release, I effectively presented the information in a consumable manner to leadership, enabling informed decision-making to purchase externally.
- Proactively mentoring team members with one-on-one sessions, I facilitated their career progression, resulting in four individuals attaining well-deserved promotions within a year of our collaboration.

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

- *Technologies:* Ruby on Rails, Kubernetes
- Participated in the technical effort by spearheading the core backend team as Technical Lead, meticulously crafting and perfecting the GraphQL API utilizing Ruby on Rails.
- Dramatically decreased the rendering duration of developer documentation by a factor of 20, implementing

innovative caching techniques to guarantee a fluid and intuitive user experience.

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

- *Technologies:* Go, Kubernetes, Cloud Foundry, AWS, GCP, Azure
- Rejoined Pivotal as Tech Lead following its acquisition by VMware (purchased Pivotal), significantly impacting the company's technological direction and taking decisive actions to fulfill responsibilities.
- 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 distribution from 3 days to 15 minutes.
- Engaged with the leadership team to provide expertise on latest best practices & technologies and recommendations on potential process improvement.
- Presented to stakeholders with product and design, leveraging storytelling and adapting messages to specific audiences for understanding and alignment with various stakeholders.

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

- *Technologies:* Go, Cloud Foundry, AWS, GCP, OpenStack, Azure
- 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 CI/CD for constructing pipelines essential for automation tooling in numerous projects, resulting in streamlined operations and stabilized processes and releases.
- Revitalized a team in their software release cycle by implementing a comprehensive set of measures, including the establishment of robust testing environments, automation of release cycles, and enforcement of code best practices. As a result, the team transitioned from consistently delivering last to achieving first place in the platform release cycle.
- 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**

- *Technologies:* Ruby on Rails, Javascript, CI/CD
- Adapting to 9+ projects as a consultant, swiftly changing technology stacks, diverse business domains, and ambiguous product requirements. Rapidly acquiring and applying new technologies, I contributed to 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**

- *Technologies:* Ruby On Rails
- 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**

- *Technologies:* Ruby On Rails
- 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.

### **Education**

- University of Miami with Bachelor and Master of Science in Computer Engineering, 2001-2006