JT Archie

jtarchie@gmail.com | GitHub | LinkedIn | Blog

Professional Summary

I'm an experienced technical leader and polyglot leveraging over 15 years of software engineering and team leadership to drive innovative solutions and mentorship within forward-thinking tech organizations. Specializes in rescuing and delivering complex projects, establishing best practices in software development, and building cohesive, high-performing engineering teams.

Skills

Programming Languages: Ruby (15y), Go (7y), JavaScript (10y) / TypeScript (3y)
Frameworks: Rails (15y), NestJS (2y), Next (2y)
Databases: Postgres (10y), SQLite (8y), MySQL (5y)
Cloud & DevOps: CI/CD, AWS (10y), GCP (5y)
Concepts: Pair Programming, Test-Driven Development

Experience

Fractional CTO   Hachi   11/2023 - Present

- Within just one month of development, led product development to a successful investor presentation, securing significant funding from Steel Perlot, demonstrating rapid execution and strategic vision.
- Strategically hired a CTO, drove the company's technical leadership, and collaborated to launch the application in under a month.

Senior Staff Engineer   Move, Inc   9/2021 - 3/2023

- Successfully led and reorganized a team of 10 engineers, mentoring 2 towards promotion and integrating 3 interns as productive team members, directly enhancing team efficiency and project delivery timelines.
- Pioneered an in-house testing framework for optimal utilization of AWS Lambda at Edge, enabling testing within seconds instead of days.
- Successfully stabilized a critical application, achieving a 20% reduction in infrastructure expenses and a 45% decrease in error rates, enhancing system reliability and user satisfaction.
- Efficiently retired multiple legacy applications, realizing over $600k in annual infrastructure savings while streamlining operational efficiency.
- Coordinated 9 teams to align on authentication migration from a custom solution to Auth0, impacting over 100 million active users.

Senior Staff Engineer   Shopify   3/2021 - 7/2021

- Joined the Core Development team as Tech Lead.
- Dramatically optimized the documentation site's performance, decreasing response times by 17x through advanced dynamic caching techniques, significantly improving user experience.

Senior Member of Technical Staff   VMware   1/2020 - 1/2021

- Maintained the same role, product, and duties following VMware's acquisition of Pivotal.
- Automated security updates for same-day releases for customers, ensuring platforms were always secure from CVEs.
- Created tooling that ran the code in our documentation through CI/CD, ensuring a good user experience when referenced.

Staff Software Engineer   Pivotal, Inc   12/2014 - 1/2020

- Revolutionized the software release process for three teams by implementing automation strategies, cutting delivery times from 1 month to just 2 days, and enhancing responsiveness to vulnerabilities.
- Created advanced CI/CD patterns, enabling comprehensive application testing across Azure, AWS, GCP, OpenStack, and VMware infrastructures in under 1 hour, significantly reducing deployment risks and enhancing product reliability.
- Engineered platform tools that enabled customers to deploy the CloudFoundry platform securely and consistently. (See 4 patents)

| **Software Engineer** | Pivotal Labs | 5/2010 - 2/2014 |

- Worked on a dozen diverse projects, adapting to varying tech stacks and business domains.
- Championed Pivotal Labs' ethos, emphasizing pair programming, test-driven development, and agile practices. Advocated for agile methodologies, cultivating a collaborative ethos and bolstering team cohesion and success.

| **Software Engineer** | Context Optional | 8/2008 - 1/2010 |

- Sole developer on the top 10 Facebook platform application (Bumpersticker) with 8 million monthly active users.

| **Software Engineer** | Chumby | 2/2007 - 8/2008 |

- Developed an early Rails application that managed content on embedded devices—an early adopter of AWS S3.

| **Software Engineer** | Soapbox Mobile | 2006 - 2007 |

Patents

- US20220222096A1 - Container certificate injection
- US11263297B2 - Dynamic insertion of variablized secrets in a pipeline integration system
- US10235527B1 - Vulnerability notification for live applications
- US10229251B1 - Library scan for live applications

Education

| **University of Miami** | Miami, FL |
| BS and MS in Computer Engineering | 08/2001 - 06/2006 |