

JT Archie

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Skills

Programming Languages: Ruby, Go, JavaScript, TypeScript, Elixir

Frameworks and Libraries: Rails, React, NestJS, Next.js, Vite

Databases: PostgreSQL, SQLite, MySQL

Cloud Services & DevOps: AWS, GCP, CI/CD Practices

Development Practices: Test-Driven Development, Pair Programming

Experience

Fractional CTO Hachi 11/2023 - Present

- Spearheaded product development, leading to a successful investor presentation and securing significant funding from Steel Perlot within just one month of development.
- Orchestrated the strategic hire of a CTO and collaborated on the application's launch, demonstrating rapid execution and technical leadership.

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

- Directed and reorganized a team of 10 engineers, mentoring 2 to promotion and integrating 3 interns as full-time contributors, enhancing team efficiency and accelerating project delivery.
- Developed an in-house testing framework for AWS Lambda at Edge, reducing testing time from days to seconds.
- Optimized a critical application, achieving a 20% reduction in costs and a 45% decrease in error rates, thereby enhancing system reliability and user satisfaction.
- Streamlined operations by retiring multiple legacy applications, saving over \$600k annually in infrastructure costs.
- Coordinated 9 teams for a seamless authentication migration to Auth0, benefiting over 100 million active users.

Senior Staff Engineer Shopify 3/2021 - 7/2021

- Enhanced the Core Development team's documentation site performance, implementing dynamic caching techniques that decreased response times by 17x.

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

- Continued role, product, and duties post-acquisition by VMware, focusing on automating security updates for same-day release, ensuring platform security against CVEs.
- Implemented CI/CD for documentation code, maintaining high user experience standards.

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

- Revolutionized the software release process by implementing automation strategies, reducing delivery times from 1 month to 2 days.
- Created CI/CD patterns for comprehensive application testing, significantly reducing deployment risks.
- Engineered platform tools for secure and consistent deployment of the CloudFoundry platform. (See 4 patents)

Software Engineer Pivotal Labs 5/2010 - 2/2014

- Adapted to diverse projects, promoting the Pivotal Labs ethos of pair programming, test-driven development, and agile methodologies.

Software Engineer Context Optional 8/2008 - 1/2010

- Led development for the top 10 Facebook platform application (Bumpersticker), achieving 8 million monthly active users.

Software Engineer Chumby 2/2007 - 8/2008

- Developed an early Rails application for content management on embedded devices, utilizing AWS S3.

Software Engineer Soapbox Mobile 2006 - 2007

Patents

- US2022022096A1 - Container certificate injection
- US11263297B2 - Dynamic insertion of variablized secrets in pipeline systems
- US10235527B1 - Vulnerability notification for live applications
- US10229251B1 - Library scan for live applications

Education

University of Miami Miami, FL

BS and MS in Computer Engineering