

JT Archie

jtarchie@gmail.com | GitHub | LinkedIn | Blog

Skills

Programming Languages: Ruby (15y), Go (7y), JavaScript (10y), TypeScript (3y)

Frameworks and Libraries: Rails (15y), React (3y), NestJS (2y), Next.js (2y)

Databases: PostgreSQL (10y), SQLite (8y), MySQL (5y)

Cloud Services & DevOps: AWS (10y), GCP (5y), CI/CD Practices

Development Practices: Test-Driven Development, Pair Programming

Experience

Fractional CTO	Hachi	11/2023 - Present
<ul style="list-style-type: none">◦ 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
<ul style="list-style-type: none">◦ 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
<ul style="list-style-type: none">◦ 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
<ul style="list-style-type: none">◦ 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
<ul style="list-style-type: none">◦ 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
<ul style="list-style-type: none">◦ 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
<ul style="list-style-type: none">◦ Led development for the top 10 Facebook platform application (Bumpersticker), achieving 8 million monthly active users.		
Software Engineer	Chumby	2/2007 - 8/2008
<ul style="list-style-type: none">◦ Developed an early Rails application for content management on embedded devices, utilizing AWS S3.		
Software Engineer	Soapbox Mobile	2006 - 2007

Patents

- US20220222096A1 - 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