Justin (JT) Archie

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[GitHub](#) [LinkedIn](#) [Blog](#)

Objective

I am an experienced tech lead who aims to apply broad tech and business domain expertise to develop impactful products for social impact companies. I am keen on using problem-solving and technology to enhance product offerings and improve lives. I'm committed to mentoring team members and enhancing their problem-solving skills for better project outcomes.

Experience

Software Engineer Contractor
[Hachi](#)
11/2023 - 2/2024

- **Product Description:** We pulled information on content creators from all social networks to create a curated profile that highlights their achievements.
- Led software development while working with the CEO on product requirements that led to their successful funding round.
- Orchestrated the strategic hire of a CTO and collaborated on the application's launch, demonstrating rapid execution and technical leadership.

Senior Staff Engineer / Tech Lead
[Move, Inc](#)
9/2021 - 3/2023

- Directed and reorganized a team of 10 engineers, mentoring 2 to promotion and integrating three 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 nine 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.

Tech Lead
VMware
1/2020 - 1/2021

- Continued role, product, and duties post-acquisition by VMware, focusing on automating security updates for same-day release and ensuring platform security against CVEs.
- Implemented CI/CD for documentation, ensuring users could copy-paste code without errors, reducing support tickets by 20%.

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

- Owned the software release process by implementing automation strategies, reducing delivery times from 1 month to 2 days -- "A surprising turnaround," said leadership.
- Created CI/CD pipelines that tested the platform against all IaaSes (AWS, GCP, Azure, OpenStack, and vSphere), which decreased the feedback cycle from 1 week to 45 minutes.
- Engineered platform tools for secure and consistent deployment of the CloudFoundry platform. Including security scanning for application CVEs and credential management within a shared cloud environment. (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 ten Facebook platform applications (Bumpersticker), which achieved 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

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

Patents

- [US20220222096A1](#) - Container certificate injection: Allowed containers to receive dynamically created certificates for secure communication.
- [US11263297B2](#) - Dynamic insertion of variablized secrets in pipeline systems: Securing containers with credentials based on a pre-defined manifest.
- [US10235527B1](#) - Vulnerability notification for live applications, allows developers to assess dependency security threats.
- [US10229251B1](#) - Library scan for live applications to ensure dependencies are up to date.

Education

University of Miami
Miami, FL

BS and MS in Computer Engineering