

Justin (JT) Archie

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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

Founder at [Knowhere](#) (04/2024-Present)

- **Product Description:** This tool allows consumers to search through points of interest to find a neighborhood that fits their real estate needs.
- Built from the ground up using Go, React, and SQLite to ensure a quick experience designed for horizontal scalability.

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

- **Product Description:** We pulled information on content creators from all social networks to create a curated profile highlighting 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 at [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 at [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 at [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 at [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 at 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 at 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 at [Chumby](#) (2/2007 - 8/2008)

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

Software Engineer at Soapbox Mobile (2006 - 2007)

- Developed PHP applications for handling mobile text messaging campaigns.

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

- [US2022022096A1](#) - 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