

# Justin (JT) Archie

Denver, CO | jtarchie@gmail.com | 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

<b>Consulting CTO</b>	Hachi	11/2023 - 2/2023
<ul style="list-style-type: none"><li>◦ <b>Product Description:</b> We pulled information on content creators from all social networks to show a customized AI-created profile that highlights achievements.</li><li>◦ Spearheaded product development, leading to a successful investor presentation and securing significant funding from Steel Perlot (an Eric Schmidt venture) within just one month of development.</li><li>◦ Orchestrated the strategic hire of a CTO and collaborated on the application's launch, demonstrating rapid execution and technical leadership.</li></ul>		
<b>Senior Staff Engineer / Tech Lead</b>	Move, Inc	9/2021 - 3/2023
<ul style="list-style-type: none"><li>◦ 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.</li><li>◦ Developed an in-house testing framework for AWS Lambda at Edge, reducing testing time from days to seconds.</li><li>◦ Optimized a critical application, achieving a 20% reduction in costs and a 45% decrease in error rates, thereby enhancing system reliability and user satisfaction.</li><li>◦ Streamlined operations by retiring multiple legacy applications, saving over \$600k annually in infrastructure costs.</li><li>◦ Coordinated nine teams for a seamless authentication migration to Auth0, benefiting over 100 million active users.</li></ul>		
<b>Senior Staff Engineer</b>	Shopify	3/2021 - 7/2021
<ul style="list-style-type: none"><li>◦ Enhanced the Core Development team's documentation site performance, implementing dynamic caching techniques that decreased response times by 17x.</li></ul>		
<b>Tech Lead</b>	VMware	1/2020 - 1/2021
<ul style="list-style-type: none"><li>◦ Continued role, product, and duties post-acquisition by VMware, focusing on automating security updates for same-day release and ensuring platform security against CVEs.</li><li>◦ Implemented CI/CD for documentation, ensuring users could copy-paste code without errors, reducing support tickets by 20%.</li></ul>		
<b>Staff Software Engineer</b>	Pivotal, Inc	12/2014 - 1/2020
<ul style="list-style-type: none"><li>◦ Owned the software release process by implementing automation strategies, reducing delivery times from 1 month to 2 days -- "A surprising turnaround," said leadership.</li><li>◦ 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.</li><li>◦ 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)</li></ul>		
<b>Software Engineer</b>	Pivotal Labs	5/2010 - 2/2014
<ul style="list-style-type: none"><li>◦ Adapted to diverse projects, promoting the Pivotal Labs ethos of pair programming, test-driven development, and agile methodologies.</li></ul>		
<b>Software Engineer</b>	Context Optional	8/2008 - 1/2010
<ul style="list-style-type: none"><li>◦ Led development for the top-ten Facebook platform application (Bumpersticker), which achieved 8 million monthly active users.</li></ul>		
<b>Software Engineer</b>	Chumby	2/2007 - 8/2008

◦ Developed an early Rails application for content management on embedded devices, utilizing AWS S3.	
<b>Software Engineer</b>	Soapbox Mobile
	2006 - 2007

Skills

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- **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

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- 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
- US10229251B1 - Library scan for live applications

Education

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<b>University of Miami</b>	Miami, FL
BS and MS in Computer Engineering	