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Professional Summary

Engineering executive and hands-on software architect with 18+ years of experience building secure fintech and medtech products, scaling engineering organizations, and translating technical strategy into business outcomes. Led engineering on the first mobile app approved by the FDA as a medical device. Currently lead Engineering at Casa, managing a 12-person team and seven-figure budget, driving AI-first development across engineering and product, supporting 100% of company revenue, and overseeing systems that secure billions of dollars in customer assets.

Professional Experience

Casa Inc. — Director of Engineering

Fall 2024 – Present

- Lead a 12-person engineering organization, manage a seven-figure budget, and own hiring, performance management, team development, resource planning, and engineering operations.
- Designed and rolled out AI-first, agentic development workflows that increased deployment frequency by 3x and reduced development cycle time by 40%.
- Expanded AI-first development beyond engineering, enabling five non-technical teammates to deploy 10+ production code changes per week.
- Lead architecture across Casa's high-security custody platform, securing billions of dollars in customer assets.
- Lead professional services delivery for enterprise clients, including resourcing, pricing, budgeting, utilization, and delivery of $1–2 million engagements.
- Partner with product and executive leadership on annual planning, technical strategy, investment priorities, and roadmap decisions supporting 100% of company revenue.
- Drove infrastructure and vendor optimization initiatives that reduced technology spend by as much as 60% in targeted areas while maintaining security, reliability, and delivery velocity.
- Increased engineering delivery capacity while operating with a smaller team through improved development systems, automation, prioritization, and AI-first workflows.
- Led the technical and delivery strategy that helped triple Casa's enterprise customer base.

Casa Inc. — Staff Engineer

Fall 2018 – Fall 2024

- Architected key-management systems for multi-signature Bitcoin and Ethereum custody products securing high-value customer assets.
- Led mobile and backend engineering for Bitcoin and Ethereum integrations across Casa's custody and security products.
- Designed an on-chain Ethereum multi-signature architecture and led the team responsible for implementation.
- Audited Solidity smart contracts and performed security due diligence for on-chain protocols and product integrations.
- Partnered with product and executive leadership on crypto product strategy, technical positioning, and customer-facing messaging.
- Managed and mentored a team of up to four engineers.

Mobiquity — Principal Android Developer

Summer 2011 – Fall 2018

- Led the Android team responsible for the first mobile app approved by the FDA as a medical device.
- Led delivery of enterprise mobile applications for clients including Weight Watchers International, New York Post, ITT Tech, and Medavie Blue Cross.
- Managed distributed teams of 3–5 junior and mid-level engineers across the Americas.
- Created and maintained open-source libraries for networking and reusable Android components.

Fitivity — Fractional CTO

- Advised founders on product strategy, technical architecture, engineering execution, and startup operating cadence.
- Owned engineering hiring, team sizing, performance management, budget planning, technical roadmap, and delivery processes.

Earlier Experience — Springpad, Pegasystems

Held software engineering and consulting roles building consumer web and mobile applications, business process systems, Android prototypes, and Java/J2EE backend systems. Mentored junior engineers and advised startup founders on product, architecture, and software development practices.

Technical Leadership

Domains: Bitcoin, Ethereum, fintech, applied cryptography, multi-signature custody, medtech, AI-first software development
Platforms: AWS, Node.js, Android, Docker, Terraform
Languages: TypeScript, JavaScript, Kotlin, Java, Solidity, SQL, Python
Leadership: Engineering strategy, organizational leadership, hiring, performance management, budgeting, architecture, product strategy, AI adoption, professional services

Education

Rensselaer Polytechnic Institute — Bachelor of Science in Computer Science; Bachelor of Science in Psychology; Graduated with Honors
Harvard Extension School — Coursework in Distributed Programming and Network Design