

James Fulford

Driven Software Engineer (7 years) and Tech Lead (5 years) seeking rewarding remote role
Experienced in: Leading Teams, System Design, Front-end Engineering, API Development, Automated Testing, Security

Experience

Senior Software Engineer, FINRA, Remote USA

07-24 to now

- led team's system designs and implementation on serverless Python, AWS, and Angular stack
- raised 3-member team's output by 100% within a month of being hired based on sprint velocity
- crossed siloes to help QA automate testing, Product refine stories, and UX improve designs

Technical Leader (Member of Technical Staff 2), eBay, Remote USA

03-23 to 02-24

- saved \$1.5M+ yearly by cutting time to show AI summary by 90% (6s to 0.6s) for 6k+ service agents
- spearheaded design and adoption of micro-frontend framework to migrate custom UIs to cloud vendor
- headed technical evaluation of vendor offerings and APIs for cloud Contact Center vendor decision
- initiated adoption of Vite and Vitest, improving developer experience and raising test coverage

Founder and CEO, An Ounce of Silver Technologies, Remote USA

11-21 to 02-23

- earned 66% ROI as solo algorithmic stock trader using Python data analysis and Docker deployment
- created analysis tools for a community of traders using Python Notebooks on Google Colab

Software Engineer (Grade 8), Cisco, Remote USA

10-18 to 12-21

- earned 2 promotions and tech lead roles through exemplary work ethic, initiative, and communication
- owned design and delivery of scalable Java-based webhook system as tech lead of 6 engineers
- directed quality-focused delivery of an Istio-based API gateway as tech lead of 2 engineers
- led early delivery of API project as lead of 4 engineers on an unfamiliar Flink codebase
- closed 200+ bugs beyond plan in 4 months as lead of 7 engineers on legacy Angular reporting product
- groomed backlog with PM, refined designs with UX, and served as Security Champion across teams
- mentored junior developers, led Scrum meetings, and specialized in automated testing practices
- practiced Continuous Delivery, joined and improved on-call rotation, and contributed across siloes

Release Engineer, C Squared Systems, Auburn NH

11-17 to 09-18

- manually deployed and validated software updates to client servers during night shift
- increased releases per night by 100% by initiating automating tests and report generation

Education

Master's in Information Systems Management (4.0), Harvard Extension School, Remote USA

08-18 to 11-21

- studied Software Engineering: Natural Language Processing, Deep Learning, Azure Cloud Computing
- studied Management: Agile Principles, DevOps Principles, Strategic Decision Making

Bachelor's in Mathematics (3.99), Rivier University, Nashua NH

09-14 to 05-17

- finished at age 18, won leadership award as passionate math tutor, spent all electives on CS courses

Portfolio

Cashflow Projector: webapp for consumers to weigh income and expenses and make plans

2018 to 2024

- beta tester feedback: "I just saved \$5k because of this tool; before, I had trouble breaking \$2k!"
- explored Product using user feedback, freelance UX input, and an ordered backlog

Medium Author

2019 to 2022

- expressed ethic of ownership in 3 Steps for Fixing Mistakes at Work
- articulated Automated Testing philosophy in Testing React Hooks
- underscored the importance of interfaces and type-checking in The Worst Part of Angular
- corrected common React code pattern in useTime() React Hook

Is It Shabbat? Web, Android, and iOS App

2018 to 2022

Skills

TypeScript, Python, JavaScript, Node.js, Java, Bash, GraphQL, SQL, HTML5, CSS3, React, React Native, Expo, Lit, Django, Spring, Angular (16+), Redux, MUI 5, Gatling, Vite, Vitest, Cypress, Jest, MongoDB, MySQL, Elasticsearch, Kafka, Redis, OAuth2, Docker, Kubernetes, Istio, Vercel, AWS CloudFront + Lambda + API Gateway, Linux, Jenkins, Splunk, Prometheus, Grafana, PostHog, Git, Jira, Agile, Scrum, Deep Learning, Natural Language Processing, Threat Modeling

Durango, Colorado, USA

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