James Fulford
Software Engineer

Academics

Harvard University	Masters	Information Mgmt. Systems	4.00 GPA	2018 - 2021
Charter Oak State College	Bachelors	Business & I.T.	4.00	2018
Rivier University	Bachelors	Math and Computer Science	3.99	2014 - 2017
Manchester Community College	Associates	Computer Science	4.00	2016

Experience

Software Engineer, eBay, remote   2023 - 2024
Delivered UI and API improvements for Contact Center agents with React, Node, Vite, Spring
- built framework and C# event bridge for developing embedded widgets in a Single Pane of Glass
- initiated and reduced time to show AI Summary from 6s to 0.6s (90% improvement)
- compared Salesforce and Microsoft Dynamics Single Pane of Glass vendors, including APIs

Software Engineer, Cisco Systems, remote   2018 - 2021
Lead teams on UI and API projects and products for Webex Contact Center cloud offering
- coordinated 6 engineers to deliver webhooks at scale with Kafka, Kubernetes, Spring, Gatling
- lead API Gateway development with metering, auth, and rate limit policies with Istio, Lua, Grafana
- coordinated 8 engineers to deliver commitments, fix 100+ bugs, and order backlog in 4 months
- delivered API project 2 weeks early with Apache Flink, Elasticsearch, Spring, OAuth2, Scrum
- assumed roles of Security Advocate, Scrum Master, and Product Owner across different projects
- identified S1 vulnerabilities and coordinated closure across engineering silos
- prototyped Tableau integration and AI-powered Call Recording Sentiment Analysis apps
- used AngularJS, Angular, React, TypeScript, Jenkins, Go (Golang), Node, Python

Software Release Engineer, C Squared Systems, Auburn NH   2017 - 2018
Upgraded production servers at night while enhancing release processes with Python

Webmaster, Manchester Community College, Manchester NH, part-time   2017
Maintained college's Joomla CMS website

Web Developer, Family Business, NH, part-time   2014 - 2017
Provided digital marketing services to clients and built social media scheduling integration with Python

Projects

Cashflow Projector   2024 - now
Owned and developed product for visionary forward-looking budgeting
- organized beta users and prioritized feedback in backlog
- developed local-first app using React, Vite, Pyodide (python in the browser), rrule specification

Algorithmic Trading   2021 - 2023
- researched, wrote, deployed, and monitored algos with Python, Docker, and PagerDuty
- developed a strategy translator from Symphony format (composer.trade) to Python
- wrote tutorial on writing and deploying algos with zipline, alpaca.markets, Python, and AWS

Medium Author at james-fulford.medium.com   2019 - 2022
Wrote articles including Testing React Hooks and useTime() React Hook

Is It Shabbat? Web and iOS App (unlisted)   2018 - 2022
Published iOS and web app using React Native, Expo, and React Native Web

Self-Driving Car Engineer Nanodegree, Udacity   2019