Michael Aboff

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Professional Experience

Full-Stack Software Engineer
June 2021 - Present
Capital One
Remote

- Builds large scale, full-stack applications to process millions of transactions per hour with Java, Spring Boot, MySQL, Typescript, Angular, Kafka, Python, and AWS. Writes automated tests using JUnit, Cucumber, and Jest.
- Designs, evaluates, and implements cross-functional insourcing initiatives improving case accuracy by 30% and reducing system response time by 50%.
- Leads maintenance and resiliency automation initiatives to save over 30 hands-on hours per month. Achieved by building testing UIs, migrating Jenkins pipelines, automating vulnerability mitigation, creating dashboards and alert monitors, and developing scripts for frequent troubleshooting tasks.
- Mentors new engineers on best practices, writing scalable code, CI/CD pipelines, and agile methodologies.
- Builds team cohesion and culture by leading agile ceremonies and virtual team building exercises.
- Advises other teams on leading technologies, including application logging, alerting, and monitoring solutions using Cloudwatch, Splunk, Datadog, and New Relic.

Senior Product Support Engineer
Sept 2018 - May 2021
SevOne / Turbonomic
Newark, Delaware

- Reduced troubleshooting time by 80% with automated scripts written in Javascript, PHP, MySQL, and Bash.
- Saved $4 million in sales by coordinating customers, development, and account teams to resolve critical defects.
- Earned 99% customer satisfaction rating by breaking down technical problems to find efficient solutions. Won Support Person of the Year award.
- Mentored junior engineers in databases, networking, and customer service.

Freelance Software Developer
April 2013 - May 2021
Self-Employed
Remote

- Hired by 30 clients to build and design websites, browser extensions, automation scripts, and game mods using Java, Javascript, HTML, CSS, and Figma.
- Built tools, mods, and tutorials purchased by 400 customers using Java, Python, and Javascript.
- Grew a dedicated community of 5000 users and developed a Javascript multi-browser extension, validating market viability with a freemium monetization model.
- Taught customers programming fundamentals, data structures, and algorithms using Java and Python.

Education

Master of Science, Information Systems Technology, Web Design
Wilmington, Delaware
Wilmington University, 2020
Thesis: "MonkeyScripts.org - Employing modern learning techniques and collaborative filtering recommendation system to improve user acquisition and retention in niche internet communities"

Full-Stack Web Development Bootcamp
San Francisco, California
App Academy, 2014

Bachelor of Arts, Government
Lancaster, Pennsylvania
Franklin & Marshall College, 2014

Skills

Languages: Java, Javascript, Typescript, Python, MySQL, HTML5, CSS, Bash

Frameworks: Angular, Spring Boot, JUnit, Cucumber, Jest

Tools: AWS, Git, Camunda, Kafka, Mockito, Figma, Linux, Jenkins, New Relic, Datadog, Splunk, Jira, Agile Methodologies

Soft Skills: User Experience, Collaboration, Communication, Problem Solving, Team Building, Writing, UI, Code Review