# Michael Aboff

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## Professional Experience

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

- Builds and maintains large scale, full-stack fraud alerting applications that process 20,000,000 transactions per day using Java, Spring Boot, MySQL, Typescript, Angular, Kafka, and AWS. Writes tests with JUnit, Cucumber, and Jest.
- Develops front-end Angular components for new fraud chargeback application, collaborating with cross-functional teams on design, implementation, and integration.
- Leads product support initiatives including automating troubleshooting with Bash and SQL scripts, regional isolation disaster testing, vulnerability mitigation, and CI/CD migrations.
- Mentors new engineers on best practices, scalable code, CI/CD pipelines, agile methodologies, and automated testing.
- Established team's documentation practices to streamline training and improve knowledge transfer.
- Advises internal teams and implements 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

- Improved troubleshooting time by 80% with automated scripts written in Javascript, PHP, MySQL, and Bash.
- Saved $4 million in sales by coordinating development and account teams to resolve critical defects.
- Earned 99% average customer satisfaction rating, winning the 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, PHP, 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