Hayden Moritz

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Executive Summary

Software Engineer with 4+ years of full-stack development experience architecting, building, and securing highly resilient web and mobile applications utilizing industry best practices. Seeking a mid-level, full-time position as a Software Engineer.

Experience

Software Engineer 2 — September 2021 – Present
Ramsey Solutions — *Franklin, TN*

- Developed a new online marketplace platform comprising of multiple microfrontends written in TypeScript (React) which are served via a Kotlin (Spring Boot) REST API backend-for-frontend that is responsible for handling business logic and calling into numerous Java microservices that facilitate relational database (SQL) transactions.
- Instituted CI/CD deployment and PR pipelines using Docker, AWS, and GitLab to promote concurrent development.
- Scaled software security by implementing Tenable web security scans using Selenium browser automation.
- Coordinated engineering efforts across multiple teams using the Kanban development framework.

Programmer Analyst — October 2019 – September 2021
Wyoming Game and Fish Department — *Cheyenne, WY*

- Architected, implemented, and scaled several secure, high-volume web applications for e-commerce, big data analytics, federated login, and more. Implemented features across the full stack from the browser to the API to the database.
- Specific projects include: a federated SSO login portal for all external-facing applications, a REST API for secure data exposure to third parties, and an ASP.NET web app handling online boat registrations across the State of Wyoming.

Android Developer — March 2018 – June 2019
Manufacturing-Works — *Laramie, WY*

- Designed and implemented a digital enterprise resource planning (ERP) solution for a large manufacturing client.
- Wrote a native Android app using Java that interfaced with a PHP REST API and persisted data in a SQL database.

Teaching Assistant — August 2018 – May 2019
Microsoft TEALS — *Casper, WY*

- Taught high school students programming skills and computer science fundamentals using Snap! and Python.

Technical Skills

Languages: Kotlin, Java, C#, Python, Ruby, Bash, SQL, HTML, CSS, JavaScript, Typescript, LaTeX
Developer Tools: Docker, GitHub, GitLab, IntelliJ IDEA, Android Studio, VS Code, Figma, AWS, Azure
Technologies/Frameworks: Spring, Ruby on Rails, React, REST, Linux, Git, Maven, MockK, JUnit, ASP.NET, Cron

Education & Certifications

University of Wyoming — December 2019
Bachelor of Science in Computer Science — *Laramie, WY*

University of Wyoming — December 2019
Cybersecurity Certificate — *Laramie, WY*

Projects

Pass-Through Billing Smart Contract | *Haskell, Cardano, Marlowe* — September 2021

- Modeled pass-through billing revenue as a Cardano smart contract using Haskell within in the Marlowe environment.
- Submitted to WyoHackathon 2021 and was the first place winning project.

CellSight | *Python, Bash, IoT* — April 2019

- Developed a Raspberry Pi IoT network capable of sniffing WiFi traffic and triangulating positions from signal strength.
- Interfaced with airmon-ng using Bash and parsed and aggregated the results with a Python script.

Achievements

Ramsey Solutions — May 2022 – Present
JVM (Java/Kotlin) Language Champion

- Advanced JVM adoption by creating new Docker (M1) images, building project templates, and writing documentation.

Boy Scouts of America — July 2015
Eagle Scout Rank

- Achieved the highest possible honor in Boy Scouts after 12 years of active involvement.