

# HAYDEN MORITZ

✉ [me@haydenmoritz.com](mailto:me@haydenmoritz.com)    🌐 [haydenmoritz.com](http://haydenmoritz.com)

## Executive Summary

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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

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### 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

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**Languages:** Kotlin, Java, C#, Python, Ruby, Bash, SQL, HTML, CSS, JavaScript, Typescript,  $\text{\LaTeX}$

**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

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### University of Wyoming

December 2019

*Bachelor of Science in Computer Science*

*Laramie, WY*

### University of Wyoming

December 2019

*Cybersecurity Certificate*

*Laramie, WY*

## Projects

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### 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

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### 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.