

Mohamad (Mo) Abdi

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Education

University of Washington, B.S. in Computer Science

Sept 2022 – Sept 2024

- **Relevant Coursework:** Data Structures and Algorithms, Computer Graphics, Systems Programming, Software Design and Implementation, Data Management (SQL), Hardware/Software Interface, Computer Security, Linear Algebra, Discrete Mathematics, Probability/Statistics

Experience

Full Stack Developer, Agentify – Remote

September 2025 – Present

- Developed and maintained core features of Agentify's athlete operating system concierge service
- Built and shipped concierge workflows (**Next.js + TypeScript + shadcn/ui**), including premium-gated service tiles and multi-step intake forms (validation, toasts, summaries)
- Led UX polish and componentization (Calendar, Tooltip, Popover, Checkbox, Data Table), establishing a reusable UI system and reducing page build time by **25%** across new concierge services

Software Engineer Freelance/Personal Projects

June 2022 – Present

- Designed and deployed 2+ full-stack web and mobile applications using **React** and **Flutter**
- Integrated authentication across multiple apps using **OAuth**, securing access for **100+ test users**.
- Developed **CI/CD pipelines** using GitHub Actions to automate deployment workflows, reducing manual effort by **>80%**

Software Development Engineer Intern, Amazon – Seattle, WA

June 2024 – September 2024

- Migrated critical **cluster metadata** for the North America region from a legacy system to **AWS Aurora**, supporting over **500B+ transactions daily**, improving system consistency and scalability
- Reduced query latency by **45%** by re-architecting storage schema and indexing strategy, decreasing average response time from **120ms → 66ms**.
- Designed scalable solutions to manage metadata across **10,000+ server partitions and endpoints**, ensuring optimized data access and efficient load balancing.
- **Collaborated cross-functionally** with a team of 7+ engineers using **Agile methodologies** to deliver Sable's SLAs for **high availability, distributed consistency**, and system durability.

Software Developer, S.E.A.L Lab – University of Washington

October 2021– January 2022

- Built a **computer vision** mobile app in **Java/Python** for colon cancer patients to measure medical device dimensions, contributing **500+** lines of code.
- **Optimized image processing algorithms**, improving performance by **25%** and enhancing responsiveness.
- Collaborated with engineers and professors to deliver features on schedule, achieving **95%** on-time completion

Projects

Github Repository Analysis with LLM | *Java, Spring, OAuth2, Docker, OpenRouter, GPT*

May 2025 - July 2025

- Built and deployed an AI-powered explanation platform handling **100+** user queries/day, integrating OpenRouter's LLM APIs with Spring Boot REST services and secured GitHub OAuth2 authentication.
- Optimized Dockerized deployment pipelines, reducing container build and startup times by **35%**, enabling rapid releases to Render and ensuring consistent production availability.

Music Recommendation/Discovery App | *Flutter, Dart, REST, Node*

January 2025 - March 2025

- Developed in **Flutter** with Spotify integration surfacing **90+** personalized recommendations per user session using **custom REST APIs**
- Built API layer to process **6+** real-time user actions (like/dislike, audio preview, skip), optimizing for responsiveness.

Technologies

Languages: Java, JavaScript, Python, TypeScript, Python, C#, C/C++, SQL, Dart, HTML/CSS

Frameworks/Libraries: React, REST APIs, Node, Flutter, OpenCV, Java Spring

Developer Tools: Git, Linux/UNIX, Terraform, AWS, VS Code, Unity, Adobe Creative Cloud