

Mohamad (Mo) Abdi

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Education

- **University of Washington** Seattle, WA
 - *Bachelor of Science (B.S.) in Computer Science* *Sept 2022 – June 2024*
 - **Relevant Coursework:** Data Structures, Algorithms, Computer Graphics, Software Design, Data Management, Hardware/Software Interface, Computer Security, Linear Algebra, Discrete Mathematics, Probability/Statistics
- **Azure AI Engineer Associate** Bellevue, WA
 - *Microsoft AI-102 Certification* *Jan 2026*

Experience

- **The Zig** Bellevue, WA
 - *Software Engineer* *Oct 2025 – Present*
 - Building an intelligent document extraction system for a financial services client to process **1000+ page** financial filings, reducing manual data extraction time by **80%**
 - Enabling cross-service tracing by **implementing correlation IDs in application middleware**, allowing developers to track user stories
 - Improved document processing throughput and application performance by **~2x** by implementing **parallelized extraction threads**, allowing OCR, LLM inference, and backend services to run concurrently
 - Integrated **Azure OCR** and **Azure Document Intelligence** to extract **50+** structured and unstructured financial fields
 - Applied **OWASP STRIDE threat modeling** to identify security threats across APIs and data workflows, ensuring security best practices
 - Currently developing **reinforcement learning and fine-tuning pipelines** to further improve extraction precision and consistency for complex financial languages
- **Agentify** Bellevue, WA
 - *Full Stack Developer* *Oct 2024 – Sept 2025*
 - Designed and built a **subscription-gated Concierge platform** enabling athletes and agents to submit structured requests for **10+ premium services**
 - Architected **MongoDB data models** and **JSON-based dynamic form schemas** to capture service-specific requirements, reducing manual intake by **60%**
 - Developed **admin-facing workflows** using modern component libraries (shadcn/ui) to manage and edit concierge requests, improving operational turnaround time by **40%**
- **Amazon** Seattle, WA
 - *Software Development Engineer Intern* *June 2024 – Sept 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

Projects

- **GitHub Repo Analyzer:** LLM-driven, generates GitHub repo explanation built with Java, Spring, OAuth2, and Docker
- **Music Recommender App:** Flutter-based with Spotify REST API integration and custom recommendation algorithm

Technologies

- **Languages:** Apex, Java, SQL, Python, TypeScript, JavaScript, C#, C/C++, HTML/CSS
- **Frameworks/Libraries:** REST APIs, Java Spring, Node.js, Retrieval-Augmented Generation, Prompt Flows
- **Developer Tools:** Git, Linux/UNIX, Microsoft Azure, Agentforce, AWS, CLI tools, Chrome DevTools, RDBMS