

Faaiz Abdullah

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TECHNICAL SKILLS

Languages/Frameworks: Java, Javascript, HTML/CSS, React, React Native, Node.js, Express.js, Python, C++

Databases: Firebase, MongoDB, AWS S3, SQL, MySQL, PostgreSQL

Tools: Git/Github, Agile, RESTful API, Arduino, Postman, AWS S3, Docker, Kubernetes, Athena, Cloudformation

PROFESSIONAL EXPERIENCE

AEM | Cloud Engineer Intern

May 2025 – Present

- Deployed CID dashboards in **AWS QuickSight** using **CloudFormation** to visualize cost and usage data.
- Queried and validated CUR datasets in **Athena** to ensure accurate dashboard metrics.
- Built a dashboard to display all **EC2** and **ECS** instances across production accounts, including **key metrics** like data transfer, OS, AMI, and vulnerability insights.
- Analyzed **EBS** volumes in our largest AWS account to identify downsizing and **cost-saving opportunities**.
- Upgraded 30 outdated **Linux** servers by assessing risk and deploying updated AMIs.

Zebra Robotics | Coding Instructor

October 2024 – Present

- Delivered engaging lessons in **Python**, **Java**, and **full-stack** development to students aged 10–17.
- Created interactive modules and real-world projects to help students apply key programming concepts.
- Provided personalized feedback and **mentorship**, helping students overcome technical challenges.
- Partnered with the business development team to pitch programs at schools and local events.

PROJECTS

Travel Mate | Full-Stack Software Developer

October 2024 - Present

- Developed a **smart travel planner app** integrating **GPT**, weather, and local data APIs to offer adaptive itinerary suggestions.
- Designed and deployed **RESTful APIs** in Python to support real-time user queries and data updates.
- Built a mobile-first UI using **React Native**, ensuring seamless performance on both Android and iOS.
- Conducted continuous **testing** and **debugging** cycles to ensure feature stability across platforms.
- Used **GitHub** for version control, collaborating within a fast-paced **Agile** team.

[Study Spotr](#) | Full-Stack Developer

August 2024 - Present

- Building **full-stack** study spot finder with **MongoDB**, **AWS S3**, and **Node.js** for data storage and retrieval.
- Integrated **Mapbox API** to visualize available study spots based on real-time location and status.
- Designed scalable **backend** logic to support dynamic user interactions and content uploads.
- Collaborated effectively with **GitHub**, facilitating team contributions and efficient **code management**.

[PharmaBotics](#) | Full-Stack Developer

July 2024 - August 2024

- Engineered a medical dispensing system using **React**, **Node.js**, and **Arduino** hardware integration.
- Designed a real-time monitoring dashboard with **Firebase** syncing for instant medication status updates.
- Tested **edge-case** behaviors to prevent common user errors and increase system reliability.

EDUCATION

Simon Fraser University | Burnaby, BC

September 2023 - August 2026

Bachelor of Science, Interactive Arts and Technology and Computer Science

Concentrations: AI/Data Science, Design and Development for Web and Mobile, Data Structures and Algorithms