

# Faaiz Abdullah

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## TECHNICAL SKILLS

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

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

**Tools:** Git/Github, Agile, RESTful API, Figma, VS Code, Eclipse, Arduino, Postman, Vercel, Render

## PROFESSIONAL EXPERIENCE

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### Travel Mate | Full-Stack App Developer

October 2024 – Present

- Built dynamic trip planning system using **GPT**, weather, and restaurant **APIs**, enabling real-time itinerary adjustments based on local conditions.
- Engineered cross-platform UI with **React Native**, achieving **98%** code reuse between iOS and Android platforms.
- Developed and optimized **Python** based **RESTful API's**, reducing response times by **25%**.
- Integrated **multi-API data pipeline** automating travel recommendations, reducing planning time by **70%**.
- Used **Git** and **GitHub** for **version control** and seamless team collaboration in an **Agile** environment.

### Zebra Robotics | Coding Instructor

October 2024 – Present

- Mentored **25+** students in web development with **90%** project completion through hands-on workshops.
- Designed **Python** and **Java OOP** curriculum achieving **95%** student project success rate.
- Developed project-based learning modules in **full-stack development**, reducing student debug time by **40%**.

## PROJECTS

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

August 2024 - Present

- Built a global study spot finder using **MongoDB** and **AWS S3** for efficient data storage and retrieval.
- Engineered location-based study spot discovery using the **Mapbox API**, enabling real-time availability updates.
- Optimized **MongoDB** queries and **AWS S3** storage, handling **500+** users at **78%** faster response times.
- Collaborated effectively with **GitHub**, facilitating team contributions and efficient code management.

### [Football Wizard](#) | Developer

October 2024 - December 2024

- Developed hybrid chatbot combining **GPT** and custom statistics for English Premier League predictions.
- Built **Selenium** web scraping pipeline to process **10,000+** statistics for efficient data retrieval.
- Built context-aware **query routing** between **GPT** and statistics database for temporal-based responses.

### [PharmaBotics](#) | Full-Stack Developer

July 2024 - August 2024

- Built **React/Node.js** medical dispensing system integrated with **Arduino** sensors for real-time monitoring.
- Implemented **Firebase** authentication and real-time sync, reducing medication error rates by **30%**.
- Created fault-tolerant dispensing system with backup protocols, achieving **20%** less system downtime.

## EDUCATION

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Simon Fraser University | Burnaby, BC

September 2023 - August 2026 (Expected)

Bachelor of Science, Interactive Arts and Technology

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