

FAAIZ ABDULLAH

COMPUTER SCIENCE & INTERACTIVE SYSTEMS

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ABOUT

Bringing 3+ years of experience in software development, I specialize in building user-centered applications with a focus on functionality, accessibility, and collaboration. My expertise spans front-end development, full-stack projects, and refining software through problem-solving, testing, and iterative design to create seamless digital experiences.

TECHNICAL SKILLS

Languages: Java, JavaScript, Processing, React, Node.js, Python, C++, HTML, P5.js, Tailwind CSS, React Native

Databases: Firebase, MongoDB, AWS, SQL, MySQL, SQLite

Tools: Git, GitHub, RESTful API, Figma, VS Code, Eclipse IDE, Arduino, Postman, Redux, Docker

PROFESSIONAL EXPERIENCE

App Developer

October 2024 - present

Travel Mate

- Developed the front-end of a cross-platform mobile app using React Native, delivering a responsive and user-friendly interface.
- Developed and optimized Python-based RESTful APIs, reducing response times by 25%.
- Integrated an AI-powered itinerary system that adapts plans dynamically to real-world changes like weather and closures.
- Collaborated with a team of 8 developers, maintaining efficient workflows using GitHub and VS Code.

Coding Instructor

Zebra Robotics

- Delivered lessons on frontend development, helping students build basic websites using HTML, CSS, and JavaScript.
- Delivered workshops in Python and object-oriented programming in Java.
- Provided constructive feedback and one-on-one support, helping students overcome challenges and improve project outcomes.

KEY PROJECTS

Developer

October 2024 - November 2024

Football Wizard

- Developed an **AI** chatbot that provides users with Premier League statistics on any player.
- Automated the extraction of **10,000+** player stats from the Premier League website using **Python's Selenium** library, improving data collection efficiency by **85%**.
- Processed raw data into structured **CSV** files, reducing data retrieval and update times by **40%**.

Full-Stack Developer

Study Spotr

September 2024 - present

- Co-developed Study Spotr, a global study/work spot finder with a streamlined front-end and back-end
- Integrated **Mapbox API** for interactive maps and precise location markers.
- Boosted backend response times by **78%** through optimized **API** queries and **middleware**.
- Collaborated on **GitHub** to efficiently organize version control.

Full-Stack Developer

PharmaBotics

July 2024 - August 2024

- Engineered a smart medical pill dispensing system utilizing **Arduino** technology for professional healthcare.
- Designed and implemented a **React.js** front-end and **Node.js** backend, cutting system downtime by **20%**.
- Streamlined patient and doctor data management with **Google Firebase**, enhancing accuracy by 30%.

EDUCATION

Simon Fraser University

September 2023 - August 2026 (Expected)

BSc, Interactive Arts and Technology

Surrey, BC

- **Concentrations:** AI and Data Science for Human Centered Systems, Design and Development for Web and Mobile
- **Relevant Coursework:** Data Structures, Digital Games Multimedia Programming, AI and ML Applications
- **Activities:** Director of Marketing & Media at SFU Muslim Students Association