Asil Abdul Azeez

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Education

University of Western Ontario — London, Ontario
BESc, Software Engineering — *Sep. 2024 – Expected May 2028*

- Cumulative GPA: 3.7; Dean's List Scholar

Technical Skills

Languages: Java, Python, JavaScript/TypeScript, C#, HTML, CSS, SQL
Frameworks & Tools: ReactJS, React Native, Spring Boot, REST APIs, Docker, Git, GitLab, Cursor, Linux, AWS, Jira
Databases: PostgreSQL, MongoDB, Firebase
AI & Analytics Tools: Claude, ChatGPT, Cursor, MCP
Methodologies: Agile Development, Test-Driven Development (TDD), CI/CD, Root Cause Analysis (RCA), SDLC

Experience

Lawson Health Research Institute — London, Ontario
Software Developer Intern — *Sep. 2025 – Present*

- Developed RESTful API integrations for the My Brain Pacer mobile app using React Native, JavaScript, MongoDB, and Firebase, enabling real-time data exchange between client and backend.
- Monitored application health and triaged defects across sprint cycles, coordinating with a team of 4 developers to track issue status and drive each item to resolution via structured pull-request review workflows.
- Optimized MongoDB schemas and Firebase sync to reduce UI issues by ∼30% and load times by ∼20%; used Claude and Cursor to accelerate development and document reusable patterns for team adoption.
- Collaborated closely with researchers and clinicians to gather requirements and validate prototypes, producing detailed RCA summaries for major incidents and milestones throughout the project lifecycle.

Projects

Analytical Data Dashboard | *Java, Spring Boot, Docker, PostgreSQL, REST API, Git* — May 2025

- Built a full-stack web service with RESTful API endpoints (REST/JSON/HTTP) to manage and visualize persistent datasets, demonstrating end-to-end understanding of API request/response cycles.
- Designed normalized PostgreSQL schemas and optimized SQL queries via Spring Data JPA, significantly reducing data retrieval times and enabling clearer trend surfacing from large structured datasets.
- Containerized with Docker across dev/staging/production and applied CI/CD best practices; integrated frontend data-fetching to render real-time, interactive dashboard plots.

Blazeways Navigator App | *TypeScript, ReactJS, MapBox API* — Jan. 2025

- Collaborated in a 6-person agile team to design and prototype a wildfire evacuation mobile app, participating in daily standups and sprint retrospectives.
- Integrated the MapBox REST API to implement transportation optimization algorithms for evacuees navigating time-sensitive, high-pressure emergency evacuation scenarios.
- Delivered a team presentation to faculty and peers, earning best-in-group recognition for clear, structured, and confident technical communication.

Leadership & Extracurricular

Western MSA — Western University
Socials Associate Director — *Sep. 2025 – Present*

- Served as an executive on the organizing committee for MSA Hacks 2026, leading sponsorship acquisition, budget coordination, and overall event logistics for the university-wide hackathon.
- Managed end-to-end logistics for 4 events (150+ attendees), coordinating vendor scheduling and venue operations through systematic planning.
- Analyzed student feedback with the executive team to implement strategic improvements, growing attendance by ∼20% semester-over-semester.

ISNA Canada — Mississauga, Ontario
Day Camp Counselor — *Summer 2026*

- Mentored and supervised camp participants throughout daily programming, helping foster a safe, engaging, and inclusive environment for the community's youth and their families.
- Assisted in planning and leading recreational and educational activities, drawing on prior youth coaching and mentorship experience to support positive camper development.
- Coordinated closely with fellow counselors and camp leadership to manage schedules, resolve day-to-day logistical challenges, and address behavioral needs as they arose.