Zohair Omar

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Role-Specific Portfolio: zohairomar.netlify.app/for/city-of-calgary/swe-student

Summary

4th YearComputer Science & Mathematics student @ UofC (transferred from UBC), experienced creating new code to solve business problems, maintaining code quality, testing code for efficiency & functionality, and writing SQL queries to extract information from databases. Proficient in **Java, JavaScript/TypeScript, SQL, GitHub, CI/CD (GitHub Actions, Jenkins)**, and **Microsoft Office (Outlook, Word, Excel, PowerPoint)**. Recognized for **attention to detail, excellent communication, critical thinking, and learning fast** while delivering in Agile teams.

Technical Skills

Languages: Java, JavaScript, TypeScript, Python, SQL, C, Go, R
Dev & CI: GitHub, Git, CI/CD (GitHub Actions, Jenkins), Unit Testing (JUnit5), Postman
Web & APIs: React, Next.js, Flask, REST APIs, HTML/CSS, Tailwind CSS
Data & Tools: Excel (Pivot Tables, VLOOKUP, Charts), Power BI, SharePoint, Power Automate, Word, PowerPoint

Education

Bachelor of Science, Computer Science & Mathematics (Minor in Economics)   Expected Apr 2027
University of Calgary, Alberta
Bachelor of Science, Computer Science   Sep 2022 – Sep 2024
University of British Columbia, Vancouver

Experience

Enactus UCalgary – WealthPath   Jul 2025 – Present
Front-End Development Lead; Git, Jenkins, TypeScript, CI/CD, React   Calgary, AB

- Led a 4-person team and facilitated 2–3 Scrum meetings per week; communicated clearly, learned fast, and tracked deliverables with high attention to detail.
- Built a reusable React/TypeScript component library used across 5+ core pages, reducing duplicate code by **20%**.
- Maintained code quality by **testing code for efficiency and functionality** in CI pipelines (**GitHub Actions, Jenkins**); supported **30+** merges without regression.
- Coordinated with back-end developers to define API contracts and resolve integration issues, applying critical thinking to accelerate delivery by **1–2 sprints**.

TechNova   Feb 2025 – Present
Co-Founder & VP Technical; Jenkins, JavaScript, Git, React Python, SQL   Calgary, AB

- Built full-stack websites and dashboards for student clubs using React, Python, and SQL, improving usability for **100+ users** through clear communication and attention to detail.
- Maintained code quality by **testing code for efficiency and functionality** and using Git-based workflows with CI (**GitHub, Jenkins**) to improve release reliability.
- Produced documentation and onboarding guides that reduced ramp-up time and helped teams learn fast while keeping systems maintainable.

Agrius IT   May 2024 – Jul 2024
Software Developer Intern; JavaScript, Jenkins, Python, SQL, HTML/CSS   Abu Dhabi, UAE

- Fortified application security using CORS, proxy settings, and robust error handling while maintaining access for **1,000+** daily users with high attention to detail.
- Developed and debugged secure backend functionality including authentication and role-based access control using SQL; applied critical thinking to resolve issues quickly.
- **Tested code for efficiency and functionality** within CI workflows (**Jenkins**) and supported feature releases; resolved **3** critical bottlenecks ahead of schedule through strong communication.

Projects

Business Tracking Application (Java, JUnit, JSON, UML)

- Built a Java application to track purchases and analyze revenue; developed a GUI and implemented unit tests with JUnit to ensure reliability.

UBC Thrifty Grocers (Go, React, Postman)

- Engineered backend services in Go improving server response speed by **40%**; executed API testing with Postman achieving **100%** test-case success.