Zohair Omar

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Summary

4th year Computer Science & Mathematics student with experience building and deploying web solutions and automations using **Power Automate, SharePoint, Azure AD (OAuth2), Microsoft Graph API, and React**. Led Agile delivery (2–3 Scrum meetings/week), implemented **CI/CD with GitHub Actions** (30+ merges), and produced **technical documentation** (SOPs, onboarding guides) to support reliable system operations and handoffs.

Technical Skills

Power Platform / M365: Power Automate, SharePoint, Microsoft Graph API, Azure AD (OAuth2)
Web / APIs: React, Next.js, TypeScript, JavaScript, Tailwind CSS, Flask, Streamlit, REST APIs, Postman
DevOps / Testing: CI/CD (GitHub Actions), Git, Unit Testing (JUnit5), Docker
Data: SQL, Excel (Pivot Tables, VLOOKUP, Charts), Power BI

Education

Bachelor of Science, Computer Science & Mathematics (Minor in Economics) — Expected April 2027
University of Calgary, Alberta

Bachelor of Science, Computer Science — Sep 2022 – Sep 2024
University of British Columbia, Vancouver

Key Courses: Object-Oriented Programming, Data Structures & Algorithms, Functional Programming, Applied Machine Learning (Python), Introduction to Data Science (R)

Experience

Enactus UCalgary – WealthPath — Jul 2025 – Present
Front-End Development Lead; React, TypeScript, Tailwind CSS — Calgary, AB

- Led a 4-person front-end team and facilitated 2–3 Scrum meetings per week to align priorities and track deliverables for a financial literacy platform.
- Built a reusable React/TypeScript component library used across 5+ core pages, reducing duplicate code by **20%**.
- Coordinated API contracts with the back-end team and resolved integration issues, accelerating delivery by **1–2 sprints**.
- Implemented CI/CD with GitHub Actions to run linting and tests on every pull request; supported **30+ merges** without regression.

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

- Built full-stack websites for clubs using React, Python, and SQL with modular design for maintainability.
- Led a team of 4 developers through Agile sprints using Git and code reviews for clean, testable code.
- Implemented user login, responsive UIs, and dashboards to improve UX for **100+ users**.
- Created **documentation and onboarding guides** to support faster ramp-up and long-term upkeep.

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

- Fortified web application security with CORS, proxy settings, and error handling protocols; supported uninterrupted service for **1,000+ daily users**.
- Developed and debugged secure backend solutions involving authentication and role-based access control using SQL.
- Documented **system functionality and technical workflows** by contributing to internal SOPs for issue resolution and system operations using Word.

Projects

Production Analytics & Forecasting Dashboard – Python, Streamlit, Azure AD, Microsoft Graph API, Power Automate

- Built an interactive analytics dashboard on North Sea production data (7 wells, 2008–2016) with forecasting, anomaly detection, and KPI tracking.
- Integrated Azure AD (OAuth2 client credentials) and Microsoft Graph API for SharePoint file I/O with automatic token refresh; fallback to local filesystem when credentials are unavailable.
- Designed a Power Automate workflow for weekly report distribution via Outlook with scope-based error handling and admin notification on failure.

UBC Thrifty Grocers – Go, React, Postman, Tailwind CSS

- Engineered high-performance backend services in Go, improving server response speed by **40%**.
- Applied CORS, proxies, and access control logic to restrict resources; achieved a **99%** error-free deployment rate.
- Executed API testing using Postman and Bash scripts, achieving a **100%** success rate across test cases.

Oil & Gas Asset Integrity Dashboard – Power BI, SQL Server, SharePoint

- Built a Power BI solution to monitor integrity KPIs; modeled **24 months** of data with Power Query and DAX.
- Implemented role-based views for engineers vs managers, slicers, and refresh simulation to support stakeholder reporting.