

Zohair Omar

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Role-Specific Portfolio: zohairomar.netlify.app/for/precision-drilling/sap-development-intern

Summary

4th Year Computer Science & Mathematics student @ UofC (transferred from UBC) focused on integration-heavy software work across the SDLC: requirements capture, implementation, testing, troubleshooting, and documentation. Strong foundations in **Python, Java, SQL, and web services (REST)** with hands-on experience supporting operational systems, writing reliable queries, and producing clear runbooks/SOPs. Proficient in fast ramp-up and curiosity with new platforms; gained **basic exposure to SAP and integration software** in an internship setting while collaborating cross-functionally under deadlines.

Technical Skills

Programming: Python, Java, SQL, JavaScript/TypeScript

Integrations & Web Services: REST APIs, JSON, OAuth2 (Azure AD), Microsoft Graph API, SharePoint I/O

Data & Reporting: Power BI (Power Query, DAX), Excel, data validation/QA checks

Dev Practices: Git, CI/CD (GitHub Actions), unit testing, debugging, SDLC documentation (release notes/runbooks)

Exposure: SAP concepts, integration software (basic)

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

Relevant Courses: Applied Machine Learning (CPSC 330), Explorations in AI & ML (CPSC 383), Data Structures & Algorithms

Experience

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

- Supported day-to-day troubleshooting by writing/refining **SQL queries** to validate operational data, isolate root causes, and summarize findings for faster issue resolution.
- Contributed to stability improvements by implementing backend changes and debugging integrations; maintained clean handoffs through clear technical notes and reproducible steps.
- Updated internal **SOPs/runbooks** with edge cases and validation checks, improving repeatability for recurring incidents and reducing back-and-forth during support.
- Gained **basic exposure to SAP and integration software** through internal walkthroughs and shadowing, building familiarity with how enterprise systems exchange data and how changes are controlled.

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

- Gathered requirements and translated them into implementable deliverables; balanced scope, risks, and timelines to ship reliable features under deadlines.
- Built data-backed functionality using **Python and SQL** and validated outputs with structured checks to ensure consistent behavior as requirements evolved.
- Created onboarding and support documentation (how-to guides, troubleshooting notes, and change summaries) to improve maintainability and reduce repeat support requests.

Enactus UCalgary – WealthPath Jul 2025 – Present
Front-End Development Lead; GitHub Actions, Agile/Scrum Calgary, AB

- Led a 4-person team through iterative delivery (2–3 Scrum meetings/week), incorporating feedback quickly and maintaining clear action tracking.
- Implemented **CI/CD with GitHub Actions** to standardize build/test checks, improving release stability while iterating rapidly with stakeholders.

Projects

Production Analytics & Forecasting Dashboard; Python, Pandas, Streamlit, Azure AD (OAuth2), Microsoft Graph API, SharePoint, Power Automate

- Built an end-to-end analytics workflow that cleans and standardizes multi-well production data into an **analysis-ready dataset** for reporting.
- Integrated secure data access via **OAuth2 + API-based SharePoint I/O**; automated scheduled distribution with **Power Automate** and documented operational steps for reliable handoff.

Oil & Gas Asset Integrity Dashboard; Power BI, SQL Server, Power Query, DAX

- Designed reporting tables and a clean data model to consolidate KPIs across **24 months** of operational data and support consistent analysis.
- Documented metric definitions and mapping logic to keep reporting transparent and stable across stakeholders.