

# Zohair Omar

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**Role-Specific Portfolio:** zohairomar.netlify.app/city-of-calgary/cybersecurity-student

## Summary

4th-year Computer Science & Mathematics student with hands-on experience supporting secure software delivery and documentation-heavy workflows. Built security-focused backend features (**RBAC, authentication, CORS/proxy hardening**) and produced **SOPs** plus stakeholder-ready updates using **Outlook, Word, Excel, and PowerPoint**. Maintain a role-specific portfolio with tailored project writeups and artifacts (resumes, documentation, and demos) to support transparent, audit-friendly communication.

## Technical Skills

**Security & Access Control:** OAuth2, Azure AD, Role-Based Access Control (RBAC), CORS, Proxy config  
**Documentation & Testing:** SOP Doc, Workflow Diagrams, Unit Testing (JUnit5), API Testing (Postman)  
**Microsoft 365 & Automation:** Microsoft Graph API, SharePoint, Power Automate (Error Handling, Alert Routing), Outlook  
**Programming Languages:** Python, SQL, JavaScript, TypeScript, Java, Go, C  
**DevOps & Collaboration:** CI/CD (GitHub Actions), Git, Agile/Scrum, Cross-Functional Teamwork  
**Office Tools:** Microsoft Word, Excel, PowerPoint, VS Code, IntelliJ

## 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, Applied Machine Learning, Functional Programming

## Experience

**Enactus UCalgary – WealthPath** Jul 2025 – Present  
*Front-End Development Lead* Calgary, AB

- Implemented a **CI/CD pipeline with GitHub Actions** for automated testing and quality checks; supported **30+** successful merges without regression.
- Coordinated with the back-end team on API contracts and integration planning; produced maintainability documentation and clear status updates for both technical and non-technical stakeholders.
- Led a **4-person** team and facilitated **2–3** weekly Scrum meetings; tracked action items and deliverables with strong personal accountability.
- Created meeting materials and stakeholder-ready summaries using **Outlook, Word, and PowerPoint**, translating progress and impact metrics into concise updates for partners.

**TechNova** Feb 2025 – Present  
*Co-Founder & VP Technical* Calgary, AB

- Implemented **user login and authentication** systems supporting **100+ users**, emphasizing secure access and reliable user experience.
- Supported documentation management and meeting preparation by creating structured notes, action-item tracking, and stakeholder-facing materials using **Excel/PowerPoint**.
- Led a 4-person team through Agile sprints using Git and code reviews; upheld strong attention to detail and persistence to deliver independently-owned workstreams on time.

**Agrius IT** May 2024 – Jul 2024  
*Software Developer Intern* Abu Dhabi, UAE

- Fortified web application security by integrating **CORS, proxy settings, and robust error handling** while maintaining uninterrupted access for **1,000+ daily users**.
- Developed secure backend functionality including **user authentication and role-based access control (RBAC)** using SQL to enforce least-privilege access.
- Documented workflows and contributed to internal **SOPs** for issue resolution and system operations using **Word & Excel**; ensured accuracy and repeatability of procedures.
- Facilitated cross-functional collaboration to troubleshoot and deliver updates, resolving **three** critical system bottlenecks ahead of schedule.

## Projects

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

- Integrated **Azure AD (OAuth2)** and **Microsoft Graph API** for SharePoint file I/O with automatic token refresh.
- Built dual-mode architecture with secure fallback when credentials unavailable.
- Designed **Power Automate** workflow with **scope-based error handling and admin notification on failure**.

**UBC Thrifty Grocers** – Go, Postman, React, JavaScript

- Applied **security measures (CORS & proxies)** and access control logic achieving 99% error-free deployment.
- Conducted API testing using Postman achieving 100% success rate; engineered backend with 40% speed increase.