

Omar Ibrahim

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EDUCATION

Carleton University

Bachelor of Engineering in Software Engineering – GPA: 10.33/12.00

Ottawa, ON

Apr. 2028

EXPERIENCE

Cybersecurity Analyst

Journal AI

Remote

Oct. 2025 – Present

- Conducted penetration testing across authentication, payments, and API systems, uncovering critical authorization and data exposure vulnerabilities.
- Worked directly with engineers to reproduce exploits and implement secure remediation strategies under responsible disclosure.
- Performed security assessments on access control, IDOR, and privilege escalation vectors.

Freelance Web Developer

Self-Employed

Ottawa, ON

Sep. 2025 – Present

- Designing, developing, and deploying custom websites for small businesses and individuals using Next.js, HTML, CSS, and modern UI frameworks.
- Managing full hosting infrastructure on self-administered Linux VPS servers including domain setup, SSL, security hardening, and uptime monitoring.
- Handling client payments, feature requests, maintenance, and iterative upgrades under real production constraints.

Co-President & Web Developer

Empower Orphans Foundation

Ottawa, ON

Mar. 2024 – Present

- Led a 20+ member organization across marketing, events, sponsorship, and operations.
- Directed fundraising initiatives and partnerships supporting orphan care through Islamic Relief collaborations.
- Built and deployed a full-stack web platform using Next.js and Supabase with real-time admin dashboard.

PROJECTS

CUMSA Security Auditor | Web Security, Access Control, Linux

2025

- Performed security audits on internal systems and web services, identifying and remediating multiple critical vulnerabilities including broken access control, exposed credentials, and insecure deployment configurations.
- Hardened authentication flows and infrastructure to eliminate high-risk attack vectors.

CUMSA Discord Bot Contributor | Node.js, discord.js v14, Git, Linux

2025

- Improved and migrated features for the CUMSA Discord bot by converting legacy commands to modern slash commands while following structured Git workflows and formal PR review standards.

University of Ottawa Muslim Students' Association Platform | React, Supabase, PostgreSQL

2025

- Worked within an 8-developer engineering team to rebuild the organization's web platform supporting 1,000+ students.
- Redesigned major UI components, refactored database schemas, and developed secure admin dashboard features.
- Collaborated in Agile sprints using GitHub pull requests, CI/CD pipelines, and structured code reviews.

Personal Portfolio Website | Next.js, HTML, CSS, Linux VPS

2025

- Designed, deployed, and hosted a personal portfolio on a self-managed Linux VPS with full control over deployment, security, and uptime. Set up with CI/CD pipeline.

TECHNICAL SKILLS

Languages: Python, C++, TypeScript, JavaScript, SQL

Frameworks: Next.js, React, Node.js, Tailwind CSS

Databases: PostgreSQL, Supabase

Technologies: Docker, GitHub Actions, CI/CD, Linux, Cloudflare

Security: Penetration Testing, Ethical Hacking, Access Control Auditing