

Faiz Mustansar

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EDUCATION

University of Guelph

Bachelor of Computing, Computer Science (Honours)

Guelph, Ontario

Expected Apr 2027

- **Relevant coursework:** OOP, Data Structures, Systems Analysis & Design, Software Engineering, Reliability & Testing
- Cross-enrolled at **University of Waterloo:** Application Development, User Interface, Human-Computer Interaction

EXPERIENCE

Incoming Software Engineer Intern

TD Bank

Toronto, Canada

Jan 2026 – Apr 2026

- Delivered platform enhancements improving system reliability by implementing secure coding practices

Software Engineer Intern

Brown & Beatty AI

Toronto, Canada

May 2025 – Present

- Led end-to-end development of the **Complaints module**, enabling first client onboarding by **December 2025**, by architecting **8+ Prisma models**, implementing **6+ REST endpoints**, and executing case workflows using **Agile methodology**.
- Built a secure evidence upload system achieving **99%+ successful ingestion** by implementing an **AWS S3** pipeline with pre-signed URLs, **Zod validation**, retry logic, and comprehensive **unit tests**.
- Reduced duplicated business logic by **25%** by collaborating in cross-module **technical design reviews**, aligning schemas and reusable components between **Complaints** and **Grievances**, and enforcing quality through peer code reviews.

Full Stack Developer Intern

University of Guelph

Guelph, Ontario

May 2025 – Aug 2025

- Redesigned core user flows (**onboarding, booking, case management**), reducing scheduling workload by **90%** and lowering no-shows across **200+ appointments** by rebuilding interfaces with **Next.js + Tailwind** to improve form clarity and dashboard navigation.
- Improved data accuracy and reduced user errors by **30%** by building dynamic forms with **Zod** client/server validation, **Supabase** persistence, and autosave functionality.
- Saved program staff **6 hours per month** by delivering an admin analytics dashboard with filters, search, and **CSV export**, enabling self-serve reporting without manual intervention.

PROJECTS

uoguelph.courses (Co-Founder & Tech Lead) [Website](#) | TypeScript, Supabase, Python, Golang, BetterStack

- Co-founded and scaled a course planning platform to **6,000+ student users** and **26,000+ page views** by leading the product roadmap, building fast search and degree-planning UX, and driving campus-wide adoption.
- Sustained **15K+ API requests/day** at sub-**200 ms** latency by architecting **Supabase-backed APIs** in **TypeScript/Python** with indexing, cursor-based pagination, and caching.
- Automated aggregation of **500+ scholarships** and all TA postings by building a **Go** scraping service and **Python BeautifulSoup** pipeline, orchestrated with **GitHub Actions** scheduling, retries, and alerting for nightly updates.

CodeKeeper [Website](#) | Next.js, TypeScript, Supabase, PostgreSQL, Google Gemini, GitHub API

- Built an AI-powered documentation platform adopted by **5+ users**, reducing manual documentation maintenance by **80%** by integrating **Next.js**, **Supabase (PostgreSQL)**, and **Google Gemini** with pull-request-driven automation.
- Improved documentation consistency and quality by **2×** by engineering structured **Google Gemini** prompt workflows with enforced JSON schemas and multi-step reasoning, generating **8–15 sentence** file-level summaries and context-aware README suggestions with minimal hallucination.
- Reduced API response latency by **60%** by designing a scalable backend with optimized relational schemas, secure **REST APIs**, **GitHub OAuth**, and asynchronous AI processing to support multi-user, real-time workflows.

Octree [Website](#) | TypeScript, Supabase, Tailwind CSS, Docker, Stripe

- Architected a full-stack SaaS platform adopted by **275+ users** by building a **TypeScript**-based frontend, **Supabase** backend, and integrating secure authentication, subscription tiers, and payments via **Stripe**.
- Expanded global accessibility by implementing **internationalization (i18n)** with locale-based routing and translated UI content, enabling seamless support for **multiple regions and languages**.
- Reduced deployment time by **60%** by containerizing the application with **Docker**, ensuring consistent staging and production environments and enabling horizontal scaling.

TECHNICAL SKILLS

Languages/Frameworks: Java, TypeScript, JavaScript, Python, C, SQL, React, Next.js, Node.js, Express, Tailwind CSS, Flask, FastAPI, Spring Boot, GraphQL, HTML/CSS, Material UI, Go (Golang), Redux, Kubernetes (basic), Django, Vite, Kotlin
Tools/Databases: Docker, Git, GitHub Actions, CI/CD, PostgreSQL, MySQL, Supabase, RESTful APIs, Linux, Bash, Jira, Figma, ChatGPT API, pytest, Jupyter, Stripe API