

# Faiz Mustansar

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## EDUCATION

### Bachelor of Computing: Computer Science Honours

University of Guelph

Guelph, Ontario

Sept 2023 - Apr 2027

- **Relevant Coursework:** Object-Oriented Programming, Data Structures, Systems Analysis and Design, Software Engineering, Software Reliability & Testing, Computational Intelligence, Cloud Computing
- **University of Waterloo:** User Interface, Application Development, Human-Computer Interaction

## 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

**Tools/Databases:** Docker, Git, GitHub Actions, CI/CD, PostgreSQL, MySQL, Supabase, RESTful APIs, Linux, Bash, Jira, Figma, ChatGPT API, pytest, Jupyter, Stripe API

## EXPERIENCE

### Software Engineer Intern

Brown & Beatty AI | TypeScript, Next.js, Prisma, Tailwind CSS, AWS S3

Toronto, Canada

May 2025 – Present

- Overhauled complaint and incident management workflows in **Next.js** and **Tailwind CSS**, streamlining navigation paths and cutting task completion time for staff by **30%**.
- Refined **PostgreSQL** queries and optimized RESTful API endpoints with **Prisma ORM**, lowering API latency by **25%** and increasing backend throughput under peak load.
- Engineered a secure login and onboarding flow with **Better-Auth**, incorporating **OAuth 2.0-grade session protection** to align with industry compliance requirements.
- Configured and integrated **AWS S3** for document uploads, reducing file retrieval latency by **45%** and supporting over **3,000+ internal records** monthly without downtime.
- Ensured **code coverage** and type safety using TypeScript, Prisma, and robust **end-to-end test cases** with Vitest and Supabase mocks.

### Full Stack Developer Intern

University of Guelph | TypeScript, Supabase, REST API

Guelph, Ontario

May 2025 – Aug 2025

- Deployed a **greedy algorithm**-driven mentor matching system, automating optimal pairings and removing hours of manual coordination per program cycle.
- Launched a booking platform for the *Dress to Impress* initiative with automated emails and in-app notifications, cutting scheduling workload by **90%**.
- Architected a secure award application management system with **role-based access control** and encrypted storage, reducing processing time by **85%** while safeguarding sensitive academic records.

## PROJECTS

### uoguelph.courses 🌐 | TypeScript, Supabase, Python, BetterStack, Golang

- Built a course planning platform for University of Guelph students, improving course discovery and selection. Reached **6,000+ active visitors** with **26,000+ page views**.
- Engineered Supabase-powered data pipelines handling **15K+ API requests/day**, enabling complex filtering while maintaining average response times under **200ms**.
- Automated daily collection of TA postings with Go-based scraper (Colly) and GitHub Actions, saving students hours of manual searching.

### Octree 🌐 | TypeScript, Supabase, Tailwind CSS, Docker, Stripe

- Delivered a multi-file project management interface in **TypeScript** and **Tailwind CSS** with in-browser previews and concurrent file handling, increasing active session length and user retention.
- Accelerated time-to-interactive by **35%** through targeted asset bundling, lazy loading, and **Supabase** query optimization, improving engagement across the platform's active user base.
- Implemented an encrypted object storage architecture using **Supabase Storage** and **Docker**-containerized services, ensuring secure, scalable project data access for multi-user environments.
- Delivered multi-file project interface with real-time previews, boosting average session duration by **50%** and increasing user return rate by **38%** within the first 2 weeks post-launch.

### SpendSmart 🌐 | Java, JavaScript, Spring Boot, REST API

- Built backend with **Java Spring Boot** and **REST APIs**, supporting budget calculations, transaction tracking, and user authentication.
- Designed responsive frontend to visualize spending patterns with interactive charts, **increasing user engagement by 50%**.