SAM MEYDANSHAHI

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EDUCATION

University of Waterloo   Waterloo, ON
Bachelor of Computer Science (Honours), Software Engineering Specialization   *Projected Graduation: 2026*
- *Coursework: Algorithms, Operating Systems, Object-Oriented Programming, Functional Programming, Database Management, App Development, User Interfaces, Data Structures, Compilers, Shell Scripting*

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Java, Python, C, C++, Go, Rust, Kotlin, SQL, Bash, HTML/CSS
Technologies: React, Spring boot, Next.js, Angular, Node.js, Express.js, Tailwind CSS, FastAPI, Maven, Gradle, PostgreSQL, MongoDB, Firebase, Amazon RDS, Supabase, JWT, Docker, Kubernetes, LLMs

EXPERIENCE

Software Developer Intern   May 2025 – August 2025
Payments Canada - Development & Cloud Infrastructure Team   *Ottawa, ON*
- Developed and optimized participant search functionality (Angular + Spring Boot) in the RTR payments system, improving query flexibility and reducing errors for **100+ financial institutions**
- Delivered **40+ pull requests** across RTR, FIF, and CCIN systems, fixing backend validation bugs, enhancing data export reliability, and contributing to scalable API design decisions
- Implemented robust data validation and error handling in RTR and FIF APIs, **eliminating recurring 500-level errors** and preventing duplicate submissions

Software Developer Intern   January 2024 – April 2024
Teranet – Commercial & Registry Solutions Team   *Toronto, ON*
- Refactored core components of GeoWarehouse 3G using Angular, optimizing load times and improving performance for **100,000+ legal and real estate professionals** across Ontario
- Automated QA processes, enabling robust UI test scripts and **reducing manual testing time by approximately 30%**
- Optimized search query logic and fixed pagination issues in GeoWarehouse, improving query efficiency and delivering faster, more accurate property search results

Software Engineer Intern   January 2023 – April 2023
Teranet – IT Delivery Team   *Toronto, ON*
- Built a full-stack internal dashboard using Angular, TypeScript, and Node.js to **monitor 30+ backend services**, improving **DevOps visibility** and enabling faster issue detection and resolution
- Centralized key server metrics into a responsive single-page app, **cutting manual status checks by roughly 50%**
- Designed and delivered the tool independently, extending usage to support QA workflows

TECHNICAL PROJECTS

☐ **AI Resume Analyzer** | *Spring Boot, Python, OpenAI API, React, TypeScript, Tailwind, PostgreSQL, Docker*
- Built an AI Resume Analyzer web app leveraging OpenAI GPT models to extract skills/experience from PDF resumes and provide ATS-style feedback against job descriptions.

☐ **YouTube Wrapped** | *Kotlin, Exposed, Jetpack Compose, Supabase, Google Cloud*
- Developed an Android app in Kotlin to generate Spotify-Wrapped-style stats from users' YouTube watch history
- Designed and implemented the entire PostgreSQL database schema from scratch, optimizing table relationships and indexes for fast, efficient querying

☐ **Netflix Movie Reviews** | *React, Node.js, Python, PostgreSQL*
- Designed a full-stack web app for Netflix show reviews, enabling users to write reviews and explore community-rated content

☐ **Biquadris** | *C/C++, XWindows*
- Engineered a modular "Tetris" variant from scratch with custom rendering, real-time score tracking, and support for advanced features like power-ups and multiplayer modes using object oriented programming