Yaseen Sadat

+1-437-484-7007 | yaseensadat2@gmail.com | LinkedIn |Portfolio | GitHub

EDUCATION

University of Toronto   *Expected May 2027*
Bachelors of Science in Computer Science   *Toronto, ON*

- **Relevant Coursework:** Data Structures and Algorithms, Object Oriented Programming, Web Programming

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, Typescript, C, C#, HTML, CSS, SQL
Frameworks: React, Node.js, Express.js, Flask JUnit, NUnit, Tailwind CSS, Bootstrap, Jest
Tools: Git, GitHub, Docker, Jira, Jenkins, Firebase, VS Code, JWT
Concepts: REST APIs, DevOps, Unit Testing, UI, Object-Oriented Design, API Integration
Extracurricular: UofT Machine Intelligence Student Team — Backend Developer, Fashion Bot (Outfit Recommendor)

EXPERIENCE

Full-Stack Developer ⊕   *May 2024 - August 2024*
Lumenera

- Developed a **trading card platform** using **MERN stack**, allowing users to purchase, manage, and browse cards, while implementing secure authentication and an admin panel for seamless user and product management
- Optimized development workflows and reduced deployment errors by **40%** by containerizing services with **Docker** and automating **Jenkins CI/CD** pipelines, enabling seamless builds and reliable unit/integration tests
- Reduced manual bug tracking overhead by **25%** by automating **Jira** ticket creation for critical errors, enhancing code quality through **Jest** testing, and optimizing build pipelines to cut load times by **35%**
- Accelerated API performance by **40%** by designing **RESTful APIs** and optimizing **MongoDB**, enabling faster user session management, payments, and profile updates, while ensuring scalability and reliability
- Reduced page load time by **50%** by implementing lazy loading, code splitting, and optimizing asset delivery, enhancing frontend responsiveness and user retention

PROJECTS

InventoryHub ⊕ | C, Python, Flask, Bootstrap, Docker   *January 2025 - April 2025*

- Built a **full-stack inventory management system** using **Flask** and **Bootstrap**, featuring secure authentication, role-based access, and a responsive dashboard for efficient inventory tracking and management
- Increased data retrieval speed by **50%** by implementing in-memory caching with a custom C-based hash map, enabling constant-time lookups and optimizing inventory queries for real-time updates
- Reduced system overhead by **40%** by containerizing services with **Docker** and streamlining deployment with **CI/CD pipelines**, ensuring efficient scaling and maintenance

StockFlow ⍜ | Java, Firebase, REST APIs   *September 2024 - December 2024*

- Engineered an **educational stock trading platform** with clean architecture, leveraging **REST APIs** for real-time market data, enabling users to explore stocks, view historical trends and engage in simulated trades
- Boosted user engagement by **30%** by integrating an **AI-driven chatbot** for personalized financial guidance, providing real-time insights and educational finance tips for a more interactive trading experience
- Accelerated data access by **25%** by implementing secure **Firebase** authentication, integrating Firestore NoSQL for efficient credential storage, and developing a **Java Swing** frontend to enhance user interaction

StaffPilot ⍜ | Typescript, Angular, C#, SQL, .NET   *February 2025 - March 2025*

- Designed a full-stack **employee management system** using **Angular** and **ASP.NET Core**, enabling users to view, add, edit, and delete employees through a modern UI with **Angular Material**
- Reduced database query execution time by **45%** by leveraging **SQL** stored procedures and optimized indexing in **Entity Framework Core**, significantly improving API response and large-dataset load times
- Enhanced frontend performance by **30%** by leveraging Angular lazy loading and optimizing state management, ensuring a seamless and responsive user experience