Yazan Haddad

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Skills

Languages: Java, Python, HTML, CSS, Bash, JavaScript, TypeScript.
Tools/Frameworks: React.js, Node.js, Next.js, Express.js, TailwindCSS, Git, Github, InteliliJ, MongoDB, JUnit, Postman.
Relevent Coursework: Object-Oriented Programming, Data Structures & Algorithms, Software Systems.
Concepts: RESTful APIs, CRUD, Agile Methodologies, Software Development Lifecycle (SDLC), Unix/Linux.

Education

York University   Toronto, ON
Bachelor of Engineering in Software Engineering   *Expected Graduation: Dec. 2026*

Volunteering

York University Computing Students Hub   Toronto, ON
Community Technical Executive   *Sept. 2024 - Apr. 2025*

- Maintained club website frontend using **React, TypeScript, and TailwindCSS**, working alongside **5+ executives**.
- Implemented client-side & server-side routing using **Next.js**, establishing optimized navigation & performance.
- Worked with **Git** for **version control**, adhering to best practices for **branching, pull requests, and code reviews**.
- Pioneered a website using **React & TypeScript**, maintaining academic resources for **3000+** EECS students.
- Automated site deployment using **GitHub Actions** on **GitHub Pages**, ensuring seamless **workflows** and **CI/CD**.
- Utilized **communication** and **teamwork** skills to support events, workshops, and tabling efforts, collaborating with all club executives in a **cross-functional** capacity to achieve successful engagement and outreach.

Projects

TV Watchlist Tracker | *React, Express, Node, MongoDB, JavaScript*

- Developed a full-stack application using the **MERN Stack**, allowing users to search, add, and manage shows on a personalized watchlist by integrating the Jikan API, providing data for over **26,000 titles**.
- Configured **REST API** with **Express & MongoDB** to allow **CRUD** operations to edit show watchlist.
- Designed user-friendly frontend with **React, JavaScript, & TailwindCSS** for responsive user experience.

Portfolio Website | *React, JavaScript, HTML, CSS*

- Initiated a responsive personal portfolio using **React & JavaScript**, showcasing projects, skills, and experience.
- Refactored **React components** to enhance reusability and maintainability, minimizing code redundancy.
- Verified **CSS** elements such as **padding, borders and layout** were consistent across desktop and mobile devices.

Arduino COVID-19 Health Monitor | *Java, Arduino*

- Built an **Arduino IoT** COVID-19 screening assessment including a temperature sensor, using **Java**.
- Plotted **Temperature-Time** graphs from sensor data using **Java** drawing libraries, measuring temperatures ranging from **35°C to 40°C** to detect fevers over a **10-second** interval.
- Displayed **Java Swing** dialogue boxes and **OLED** for screening questions and real-time alerts based on **100 sensor readings**, with feedback via LEDs and buzzer.

Video Game Leaks Bot | *Python, TypeScript, Docker, AWS*

- Scripted a **Python-based** Discord bot using the **Reddit API** and **Discord API** to automatically fetch and share video game leaks from a **250,000+** member community.
- Leveraged **AWS CDK** with **TypeScript** to deploy bot to **AWS Lambda** to automate and management of cloud resources, enabling scalable and maintainable infrastructure for the bot.
- Optimized cloud infrastructure by leveraging **Docker**, improving resource efficiency and reducing costs by **63%** through API call scheduling.