JADIHA ARULESWARAN

📞 +1 647-916-0815 ✉ Jadiha.arul@gmail.com 🔗 Jadiha Aruleswaran ⭘ jadiha

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C++, C#, Java, Ruby, SQL, HTML/CSS, Shell, Bash
Frameworks and Libraries: ReactJS, NodeJS, CodeceptJS, Bootstrap, Flutter, ROS/ROS2
Tools: Amazon Web Services, Microsoft Azure, Docker, Terraform, Postman, Figma, MATLAB

EDUCATION

University of Waterloo - BASc, Honours Systems Design Engineering Co-op   In Progress
Relevant Courses: Data Structures and Algorithms, Human Factors in Design, Computer-Aided Design

RELEVANT EXPERIENCE

Amazon   **May 2023 - Aug 2023**
Software Engineer Intern   Vancouver, BC

- Built **real-time cron tracking** visual interface for 70,000+ employees, enabling workflow planning.
- Automated **cron job** display with **Java & Ruby** APIs, improving team scheduling efficiency by **35%**.
- Optimized **core infrastructure**, reducing scheduler failures by **65%** and improving system uptime.

Real Life Robotics   **Sept 2024 - Dec 2024**
Full Stack Engineer Intern   Toronto, ON

- Built **NodeJS server** for real-time robot-user communication, cutting response time by **50%**.
- Developed **localization system** with **REST APIs**, **computer vision**, eliminating manual tracking.
- Improved **robot delivery platform**, fixing **50+ bugs** and increasing task success by **75%**.

Municipal Property Assessment Corporation   **Jan 2024 - April 2024**
Software Engineer Intern   Pickering, ON

- Implemented **ReactJS AWS portal**, automating service requests and cutting operational costs by **5x**.
- Optimized **Python Boto3** automation for **25+ accounts**, improving available cloud resources.
- Secured infrastructure with **SSL renewals** and **access key rotations**, reducing maintenance by **30%**.

Home Trust Company   **Jan 2023 - April 2023**
Software Engineer Intern   Toronto, ON

- Built **automated loan processing** with **JavaScript, NoSQL**, reducing manual testing by **30%**.
- Executed **zero-downtime migration**, ensuring **100% accurate** critical financial data transfers.
- Enhanced loan processing with **JavaScript, CodeceptJS**, boosting defect detection by **40%**.

PROJECTS

☛ **Timefly**   **Flutter, Cohere API, Auth0, Flask**
Built an AI-powered journaling app that captures moments with geolocation and sentiment analysis, reducing user friction by **40%** using Google Maps API.

☛ **MetroWeather**   **HTML/CSS, Javascript, OpenWeatherMap API**
Developed a real-time weather platform with **95% accuracy**, enhancing UX by **30%** through GPS-based updates, customizable alerts, and manual inputs.

☛ **Versify**   **HTML/CSS, Javascript, ChakraUI, ReactJS**
Created a career matchmaking platform to connect **1,000+ users** to STEM non-profits, improving engagement and reducing onboarding time by **60%**.