

Harir Hammadi

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Technical Skills

Programming Languages:	Java, Python, JavaScript, TypeScript, C#, SQL, HTML/CSS, Bash, Kotlin
Frameworks & Libraries:	React, Node.js, Spring Boot, Hibernate, JSP, jQuery, Bootstrap, React Native, Unity
Cloud & DevOps Tools:	AWS, Azure, Docker, CI/CD Pipelines, NGINX, Apache, Power Automate
Databases & Reporting:	MySQL, PostgreSQL, MariaDB, SQLite, Firebase, Power BI
Developer Tools:	Eclipse, VS Code, Git, GitHub, GitLab, Gradle, Maven, Postman, JUnit
Methodologies:	Agile, REST APIs, MVC, Microservices, SDLC, Machine Learning, Project Development
Soft Skills:	Collaboration, Communication, Problem-Solving, Leadership, Time Management

Work Experience

RPA Developer & Trainer Intern , Mitacs – Toronto, ON	Sep 2024 – Dec 2024
<ul style="list-style-type: none">Automated the intern application system using Power Automate and SQL, reducing processing time by 70%.Developed interactive Power BI dashboards backed by SQL, cutting report generation time from hours to minutes.Delivered technical training sessions for 10+ developers, improving workflow adoption and process efficiency.	
Software Developer/Consultant Intern , BDO – Toronto, ON	May 2023 – Aug 2023
<ul style="list-style-type: none">Developed client-facing apps using Power Apps and Azure connectors, increasing workflow efficiency by 20%.Built interactive Power BI dashboards aggregating financial data, enabling real-time insights for executive reporting.Delivered hands-on training sessions for colleagues and clients, accelerating adoption of software solutions.Implemented QA test cases and maintained Agile documentation in Jira to ensure timely releases.	
Software Engineer Intern , TD Bank – Toronto, ON	Jan 2023 – Apr 2023
<ul style="list-style-type: none">Resolved defects in Java-based loan processing systems, reducing daily support tickets by 20-50 calls.Optimized SQL/HQL queries and refactored backend services, improving system stability and performance.Collaborated with cross-functional teams to deliver production-ready features in an Agile environment.	
Software Developer Intern , University of Guelph – Guelph, ON	Sep 2021 – Dec 2021
<ul style="list-style-type: none">Automated course infrastructure setup using Docker and shell scripts for OOP instruction.Developed Java teaching modules with JUnit tests, delivering 10+ reusable learning resources.Maintained technical documentation with Git and Apache Wiki, enhancing accessibility and knowledge sharing.	

Projects

CarShop Management App React, Node.js, TypeScript, Java, Spring Boot, SQL, AWS	2025
<ul style="list-style-type: none">Developed a secure full-stack car inventory system using Java, React, Spring Boot, TypeScript, and Gradle.Implemented JWT authentication and role-based access control, strengthening platform security.Built RESTful APIs with MariaDB to support CRUD operations, improving UI responsiveness by 30%.Containerized and deployed the app with Docker, AWS, and Netlify, cutting setup time by 25% through automated builds and testing.	
Cloud VM Deployment Automation Python, Azure, GCP	2024
<ul style="list-style-type: none">Developed a Python automation tool to provision and configure Azure and GCP VMs with robust input validation.Automated repeatable deployments, reducing setup time by 40% and minimizing configuration errors.Implemented structured logging and rollback mechanisms, improving reliability and debugging efficiency.	

- Developed a **full-stack scheduling system** using **React, Node.js, Python, and Bootstrap** to manage class conflicts and export calendars.
- Implemented **validation** and **caching**, reducing scheduling errors by **25%** and improving user experience.
- Deployed on **Azure** with **NGINX** and **CI/CD pipelines**, cutting post-release bugs by **20%** through automated testing.

Education

Bachelor of Computing (Co-op) in Computer Science, University of Guelph

Sep 2019 – Jun 2025

- **4.0 GPA**
- Relevant Courses: **Data Structures, Algorithms, Cloud Computing, Mobile Computing, Operating Systems, AI/ML**

Training & Certification

Professional & Career Development Record (PCDR), University of Guelph

Jun 2025

Hackathons

Hack the Chain Hackathon, Major League Hacking

2025

- Developed a **Java-based beatbox application** featuring a GUI built with **Swing** and **MIDI sequencing**.
- Implemented real-time **beat generation, input handling**, and **tempo control** components, gaining practical experience in **audio programming**.

Local Hack Day Hackathon, University of Guelph

2019

- Developed **puzzle game software** for an LCD display using **Arduino C++** and a **Raspberry Pi**.
- Implemented **game logic** and **input handling**, contributing to the team securing **2nd place** among university participants.

Extra-Curricular

Society of Computing and Information Science (SOCIS), University of Guelph

Sep 2019 – Apr 2025

- Participated in hackathons and technical workshops, fostering collaboration among computing students.

Guelph Women in Computer Science (GWICS), University of Guelph

Sep 2019 – Apr 2025

- Engaged in networking and mentorship events supporting diversity in computing.

AIESEC, University of Guelph

Sep 2019 – Apr 2025

- Collaborated on international exchange initiatives, strengthening communication and leadership skills