

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, ONSep 2024 – Dec 2024

- 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, ONMay 2023 – Aug 2023

- 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, ONJan 2023 – Apr 2023

- 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, ONSep 2021 – Dec 2021

- 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, AWS2025

- 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, GCP2024

- 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**.

Course Scheduling Web App React, Node.js, Python, Azure, Nginx	2023
<ul style="list-style-type: none">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
<ul style="list-style-type: none">4.0 GPARelevant Courses: Data Structures, Algorithms, Cloud Computing, Mobile Computing, Operating Systems, AI/ML	

Training & Certification

Professional & Career Development Record (PCDR) , University of Guelph	Jun 2025
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Hackathons

Hack the Chain Hackathon , Major League Hacking	2025
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">Participated in hackathons and technical workshops, fostering collaboration among computing students.	
Guelph Women in Computer Science (GWICS) , University of Guelph	Sep 2019 – Apr 2025
<ul style="list-style-type: none">Engaged in networking and mentorship events supporting diversity in computing.	
AIESEC , University of Guelph	Sep 2019 – Apr 2025
<ul style="list-style-type: none">Collaborated on international exchange initiatives, strengthening communication and leadership skills	