Arkkan El-Khatib

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Skills

Languages: Java, Python, Go, C#, SQL (MySQL, Postgres, SQLite), JavaScript, HTML/CSS
Frameworks: React, Angular, Node.js, Spring Boot, Hibernate/JPA
Dev tools and Testing: Git, Docker, Kubernetes, Google Cloud Platform (GCP), Azure
Other Notable Libraries: pandas, NumPy, Matplotlib, Lombok, Log4j

Experience

Programmer and AI Quality Assurance – Self-Employed – Toronto, ON   Jan 2025 – Present
- Built full-stack web applications with **React** and **SEO** optimization, increasing client search visibility and online engagement
- Developed **Python** automation tools for inventory tracking, reducing manual processing time for local businesses
- Provided structured testing and feedback for AI models, improving output accuracy and end-user satisfaction

Programmer Analyst – Agriculture and Agri-Food Canada – Ottawa, ON   Aug 2024 – Nov 2024
- Collaborated with stakeholders to translate project objectives into feasible technical specifications
- Built functional prototypes with **Power Apps**, **Power BI**, **Power Automate**, **C#/.NET**, and **JavaScript** to validate new project capabilities
- Delivered training sessions for management on new development tools, improving adoption speed and reducing onboarding time

Full-Stack Developer – Agriculture and Agri-Food Canada – Ottawa, ON   May 2022 – Aug 2023
- Reduced technical debt by creating **Python** scripts to reverse-engineer and convert database data into proprietary formats
- Upgraded **React** and **Spring Boot** features based on user feedback, enhancing UX and ensuring compliance with requirements
- Developed integration and stress tests in **Apache JMeter** to strengthen **CI/CD** pipelines, reducing deployment failures across **GitHub Actions** and **Azure**

Full-Stack Developer – Agriculture and Agri-Food Canada – Ottawa, ON   May 2021 - Dec 2021
- Enhanced web applications using **React, Angular, JSP, Spring Boot, Hibernate/JPA**, and **Postgres**, improving performance and usability.
- Automated data exports using **Python** and proprietary **Web APIs**, cutting processing time significantly.
- Collected and clarified requirements via **Redmine** ticketing software, reducing backlog ambiguity and improving feature delivery speed.

Projects

Personal Portfolio Website   arkkan.ca
- Built and deployed a responsive portfolio site to showcase projects and skills, featuring GitHub API integration and automated CI/CD deployment.

  Primary Technologies: React, Tailwind, Docker, Google Cloud Platform (GCP)

Final Fantasy Data Repository   github.com/arkkanelkhatib/ff_scrape
- Developed a data pipeline to collect, clean, and analyze game data; hosted dataset on Kaggle

  Primary Technologies: Python, Jupter Lab/Notebook, pandas, Numpy

Education

Carleton University – Bachelor of Computer Science - Co-op Designation - 3.81 GPA   Apr 2024