

Arash Kheirollahi

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Summary

Software engineering intern candidate with a foundation in C++, Python, and digital systems. Experienced in both academic and professional settings, building software solutions and web applications. Currently completing a Computer Programming diploma at Seneca Polytechnic, with coursework in object-oriented programming, algorithms, databases, and cloud computing. Eager to contribute to innovation in FPGA, embedded systems, and programmable logic through strong problem-solving and collaboration skills.

Technical Skills

Languages: C++, Python, Java, JavaScript, HTML5, CSS3

Frameworks/Tools: React, Git, Webpack, CI/CD, REST APIs

Hardware/Systems: Verilog (familiar), Digital Logic, FPGA coursework

Other: Object-Oriented Programming, Algorithms, Database Systems, Agile

Experience

Front-End Developer – EzWeb

Toronto, ON

2022 – 2024

- Built scalable UI components with React, JavaScript, and SCSS across enterprise CMS platforms.
- Integrated REST APIs and optimized performance, improving load speed by 30%.
- Collaborated with cross-functional teams, conducting code reviews and maintaining CI/CD pipelines.

Web Developer – Beman Branding Agency

Toronto, ON

2020 – 2022

- Delivered client-facing e-commerce websites with responsive and modular front-end code.
- Converted design mockups into production-ready components and ensured cross-browser compatibility.

Projects

- **C++ Banking Simulator** — Implemented OOP principles to simulate accounts, transactions, and file persistence with robust error handling.
- **Python Data Analyzer** — Built a data pipeline to clean, analyze, and visualize datasets using Pandas and Matplotlib.
- **FPGA Lab Work (Verilog)** — Designed and simulated digital circuits (registers, counters) as part of academic coursework.

Education

Diploma in Computer Programming

Seneca Polytechnic, Toronto, ON

2023 – Present (in progress)

Relevant Coursework: C++, Python, Java, Digital Systems, Database Management, Cloud Computing, Software Engineering

Bachelor in Computer Engineering

Islamic Azad University, Tehran, Iran

2020 – 2024