Waleed Samouh

647-544-6695 | waleed.samouh02@gmail.com | linkedin.com/in/waleed-samouh/ | github.com/samouh-waleed

SUMMARY

Seeking a full-time position as a Software Engineer with expertise in building large-scale applications. Experienced in full stack web and mobile application development, with proficiency in scripting languages like Python and JavaScript. Skilled in identifying, designing, and completing medium to large features independently. Strong knowledge of architectural patterns in large-scale software applications, along with a commitment to building and shipping high-quality, reliable software.

EXPERIENCE

Software Engineer   January 2023 – August 2023
Ontario Power Generation(OPG)   *Toronto, ON*
- Designed and developed large-scale SQL and Power BI dashboards to monitor work orders lifecycle, from initiation to completion. Improved accuracy of work orders tracking, led to a 20% reduction in completion times at OPG.
- Developed and led the creation of a Power BI dashboard to analyze Observation and Coaching data, which enhanced performance by enabling quicker identification of trends and key focus areas, by employing full-stack web development techniques to integrate data visualization and reporting tools. This achievement earned me the Employee of the Month recognition in March.
- Enhanced the CFAM Dashboard, a large-scale web application, resulting in a 30% improvement in user efficiency and increased reliability for monitoring nuclear plant statistics and training qualifications, by resolving critical bugs and optimizing data accessibility using SQL, Node.js, and React.js. The dashboard's enhanced performance led to over 100K hits, directly contributing to better decision-making and operational excellence.

Software Engineer   September 2022 – April 2023
Riipen   *Toronto, ON*
- Developed full stack mobile applications using React Native and Expo, enhancing user experience for 500+ mosque visitors. Implemented prototypes and final designs using modern architectural patterns to ensure scalability and reliability.
- Collaborated with an 8-member team using GitHub and Trello, optimizing the development and testing process to ensure high-quality delivery of features and applications.

Software Engineer   May 2020 – August 2022
Freelancer   *Toronto, ON*
- Delivered medium to large-scale software projects for various clients, utilizing Python and other scripting languages to develop custom applications and data analysis tools.
- Built and shipped high-quality software solutions by leveraging strong problem-solving skills and a deep understanding of software development principles.

PROJECTS

Fake News Spread Analysis | *Python, NetworkX, Pandas, scikit-learn, TensorFlow*   May 2024 – July 2024
- Developed Python scripts with NetworkX and Pandas to analyze and visualize the spread patterns of real and fake news on Twitter. Constructed interaction networks to compare propagation.
- Built ML models using scikit-learn and TensorFlow for sentiment analysis. Leveraged NLP techniques to assess the emotional impact on tweet propagation.

E-cars website | *TypeScript, Node.js, Docker, AWS, Prisma, MySQL*   September 2023 – December 2023
- Developed an E-Commerce website using TypeScript and Node.js with microservices architecture for scalability & reliability.
- Deployed the distributed system on AWS EC2 using Docker containers for each microservice. Implemented a gateway controller to manage REST API calls to each service and used MySQL databases with Prisma.
- Employed Test-Driven Development (TDD) to ensure code reliability and quality.

Warehouse Management System | *Java, SQLite, JDBC*   October 2023 – November 2023
- Developed backend with Java and SQLite, emphasizing OOP and design patterns for large-scale applications.
- Managed database interactions with JDBC, ensuring efficient and reliable data storage and retrieval.

Hospital System | *Java, System Design, Unit Testing*   April 2022 – April 2022
- Developed a hospital system from scratch using Java, adhering to system design principles and best practices, while also applying unit testing techniques to ensure software reliability.

EDUCATION

York University   Toronto, Ontario
Bachelor of Science in Computer Science   *September 2020 – August 2024*

TECHNICAL SKILLS

Languages: Java, Python, C, C++, SQL (SSMS, MySQL), JavaScript, HTML, CSS.
Frameworks: React.js, Node.js, Express.js, React Native, Expo, Agile, SDLC, Test Driven Development, Debugging.
Tools: Git, Docker, AWS, Azure Cloud, Power BI, Rest API, Trello, Figma, Unix/Linux.