KARIM BELFORD

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Objective

Result-driven Developer with a Computer Science degree, offering hands-on experience in software application development. Seeking to leverage expertise in multiple programming languages, frameworks, and tools to contribute to innovative projects in a challenging and dynamic environment. Passionate about technology and committed to continuous learning and professional growth in the software development field.

Education

Bachelor of Computer Science (Hons), Minor in Mathematics and Statistics

University of Windsor, Windsor ON, 2018 – 2022

Relevant Coursework: Data Structures, Design & Analysis of Algorithms, Big Data Analytics, Software Verification & Testing, Database Management Systems

Skills

- **Languages:** C, C++, Java, JavaScript, Python, HTML, CSS, PHP
- **Frameworks & Tools:** Windows, Linux, ReactJS, MongoDB, SQL, NodeJS, Express, Pandas, Numpy
- **Data:** Strong understanding of data structures and algorithms
- **Testing:** Experience with software verification and testing
- **Management:** Proficient in project management techniques and tools

Technical Experience

Crypto Trading Bot

JavaScript, NodeJS, TypeScript, KrakenAPI

- Spearheaded the development of a statistical and triangular arbitrage trading bot using NodeJS, TypeScript, ReactJS, and BybitAPI that improved trading efficiency and significantly increased profit margins.
- Leveraged deep understanding of arbitrage strategies to design, code, and implement algorithms that intelligently execute trades, thereby reducing risks and maximizing returns.

Top Reps App

HTML, JavaScript,TypeScript, ReactJS, NodeJS, FireBase

- Designed and built a fully-functional E-commerce clothing store application with features such as account creation, sign-in, diverse shopping categories, cart, and seamless checkout, enhancing the shopping experience for users.
- Utilized JavaScript, SASS, ReactJS, Firestore, and Firebase to create a robust and user-friendly application.

Face Recognition App – Full Stack Developer

JavaScript, CSS, HTML, ReactJS, NodeJS, ExpressJS, PostgresDB

- Implemented user authentication with bcrypt and knex integration, providing secure access and protection for user data.
- Optimized communication between the application server and the Postgres database using the cors API, ensuring high performance and responsiveness.