KARIM BELFORD

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Objective

Developer with a Computer Science degree and hands-on experience in developing software applications. Eager to apply my skills 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

Sep. 2018 – Aug. 2022

Skills

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

Technical Experience

Backend Developer, Capital Growth INC

Nov. 2022 – Present

- 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 – Full Stack Developer

Aug. 2022 – Present

- 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

Aug. 2022 – Nov. 2022

- Engineered a face recognition app using JavaScript, CSS, HTML, ReactJS, NodeJS, ExpressJS, PostgresDB, and Clarifai API, delivering accurate and fast results.
- 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.