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Summary

Skilled .NET Core and React developer driven to build performant web application. Proven track record in building complete web applications and applying CI/CD practices. Seeking full-stack development roles where I can contribute to innovative, user-focused projects.

Education

Queen Mary University of London   London, United Kingdom
MSc, Artificial Intelligence   *2022 – 2023*
- **1st** class **Distinction**.

American International University-Bangladesh   Dhaka, Bangladesh
BSc, Computer Science and Engineering   *2017 – 2021*
- **GPA:** 3.93/4.00
- **Modules:** Software Engineering, Web Technologies, Object Oriented Programming, OOP Analysis & Design.
- **Achievements:** Dean's List Award.

Projects

BugBlitz | *.NET Core, Next.js, PostgreSQL, Docker, Azure*
- Developed using .NET Core 8 and Next.js by adhering to SOLID guidelines.
- Devised secure authentication, built CRUD operations, improving project efficiency.
- Decreased code complexity by 20% by delegating authentication to an OAuth2 microservice.
- Applied caching in Next.js, substantially cutting back on database queries and boosting efficiency.
- Deployed on Azure VM using Docker Swarm (CapRover) with HTTPS for API & Client.
- GitHub: https://github.com/mzbali/bugblitz
- Website: https://bugblitz.mzbali.com

Storetail | *.NET Core, React, Redux, PostgreSQL, JWT, Stripe*
- Created a robust e-commerce website using .Net Core 6 and React.
- Leveraged Extension Pattern with SOLID principles for enhanced code organisation and readability.
- Formulated a CI/CD pipeline using GitHub Actions, enabling an efficient development-to-deployment transition.
- Conducted the deployment of a dockerised app on Azure VM, reinforced with SSL encryption.
- GitHub: https://github.com/mzbali/storetail
- Website: https://storetail.mzbali.com

Experience

Teaching Assistant (Computer Science)   Dhaka, Bangladesh
American International University-Bangladesh   *2020 – 2021*
- Developed lesson materials for CS courses, emphasising programming concepts and problem-solving.
- Provided focused tutoring to students, aiding in programming challenges and code debugging.
- Designed quizzes and assessments to gauge student comprehension of core CS concepts.
- Collaborated with instructors to address student programming difficulties, promoting academic success.

Technical Skills

Web Development: .NET Core, React, Next.js, C#, Typescript, JavaScript
DevOps: Git, Bash, Docker, GitHub Actions
Databases: PostgreSQL, Redis
Other: Rust, VS Code, Rider, Linux, MacOS

Language Proficiency

English: Fluent (IELTS 7.5)
Bengali: Native