Mohammad Rezaul Karim

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Career Objective

Results-driven Full Stack Developer with expertise in delivering end-to-end solutions that exceed business objectives. Skilled in both front-end and back-end technologies, eager to contribute to a dynamic and collaborative team.

Experience

Full Stack Developer - Quormotion   **10/2023 – Present**
- Founded and led development of Brain Twist, a mobile puzzle game app. Managed design, development, and distribution.
- Developed a cross-platform mobile app using React Native and MobX, improving performance and engagement.
- Architected a scalable backend using Node.js and PostgreSQL.
- Integrated Firebase for authentication and AdMob for monetization, enhancing user experience.
- Continuously improved features and performance based on user feedback.
  Technologies Used: React Native, MobX, Node.js, PostgreSQL, Firebase, AWS.

Full Stack Developer - Mirk   **05/2022 – 09/2023**
- Led scoring system development for **Play Today Golf**, aligning with business goals.
- Designed and developed an NFT Marketplace for golf players using React.js, improving security and user experience.
- Contributed to the Metaverse project by integrating React with Unity instances.
- Improved backend performance by optimizing Node.js and PostgreSQL infrastructure.
- Integrated third-party APIs and Firebase for seamless user authentication.
  Technologies Used: React, React Native, Next.js, Node, TypeScript, PostgreSQL, Firebase, AWS, MobX.

Full Stack Developer Internship – Spaces Interactive   **02/2022 - 05/2022**
- Enhanced error handling and backend security in React-based dashboard projects.
- Implemented Redux for efficient state management.
- Collaborated cross-functionally to refine technical specifications.
  Technologies Used: React, Node, TypeScript, PostgreSQL, Redux, Jest.

Full Stack Developer Internship - Benevolence Financial Group   **06/2021 - 12/2021**
- Expanded website structure and improved user engagement through UI enhancements.
- Developed loan calculators and integrated real-time loan provider data.
  Technologies Used: C#, JavaScript, ASP.NET Core Blazor, HTML, CSS.

Education

Bachelor of Science in Information Technology Diploma in Information Technology Professional Practice

University of Technology Sydney
05/2023

Technical Skills

Languages: Java, C#, JavaScript, TypeScript, Node.js, Python, Django, React, React Native, ASP.NET Core Blazor, Vue.js, Next.js, HTML, CSS
Databases: SQL, PostgreSQL, MongoDB
Tools: Redux, MobX, Jest, Git, Bootstrap, Figma, AdMob
Software: AWS, Firebase, GitLab, Bitbucket, Jira, Confluence
Soft Skills: Excellent Communication, Problem Solving, Critical Thinking, Teamwork, and Self-Motivation

Personal Project

Pet Entries
- Designed and developed a cross-platform mobile application using React Native with MobX for state management, resulting in a seamless user experience.
- Backend infrastructure with Node, Objection.js, and Knex.js.
- Employed data structures such as maps for accelerated data queries, enhancing frontend responsiveness.
- Optimised backend server resources through strategic data query practices
- Leveraged AWS services for robust architecture.
- App store: https://apps.apple.com/us/app/pet-entries/id6470149359
- Learn more: https://mohammadrk.com/personal-project

Storefront
- Developed backend system using Django, with integrated authentication for orders and checkout
- Implemented role-based authorisation for users (e.g., customers, staff)
- Gained hands-on experience through a Django online course at CodingWithMosh
- Gitlab repository: https://gitlab.com/Mohammad260/storefront-django-backend