ZARIF AMIR SANAD

DevOps & Full-Stack Developer

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ABOUT ME

DevOps & Full-Stack Developer with hands-on experience building, deploying, and maintaining scalable production systems. Strong background in .NET Core, Laravel, React, Docker, CI/CD pipelines, and SQL Server. Experienced in automating deployments, designing RESTful APIs, and collaborating with cross-functional teams to deliver reliable, maintainable software.

SKILLS

DevOps & Cloud: Docker, Docker Compose, GitLab CI/CD, GitHub Actions, Nginx, Linux
Backend: .NET Core 8, Laravel, REST APIs, JWT, ASP.NET Identity
Frontend: React.js, AngularJS, TypeScript, Tailwind CSS, Bootstrap
Databases: SQL Server, MySQL
Architecture & Concepts: N-Tier Architecture, SOLID, MVC, Repository Pattern, Dependency Injection

WORK EXPERIENCE

Software Engineer

MNA Associates (Deployed to BIFPCL – Rampal Power Plant Site) | DEC 2024 - PRESENT

- Designing and developing a site-specific enterprise management system for BIFPCL to support operational and administrative workflows.
- Building full-stack solutions including backend APIs, frontend interfaces, and database design aligned with real-world power plant operations.
- Leading end-to-end development, including requirement analysis, implementation, deployment, and ongoing maintenance.
- Collaborating closely with on-site engineers and administrative teams to translate operational requirements into scalable software features.
- Managing deployment and environment configurations, ensuring system reliability and maintainability in production.

Junior Software Engineer

Quad Theory Ltd | Jan 2023– Jun 2023

- Maintained and enhanced Sundarban, a car parts selling and management system, by fixing bugs and extending existing features.
- Developed and optimized inventory tracking and order processing modules, improving data accuracy and workflow efficiency.
- Collaborated with cross-functional team members to improve backend logic, UI responsiveness, and overall system stability.
- Contributed to QT Sales & Inventory, implementing features for product entry, stock movement tracking, and sales analytics reporting.

PROJECT

BIFPCL
TypeScript, React.js, Tailwind CSS, MUI, Vite, .NET Core 8, JWT, SQL Server.
- Developed a multi-module enterprise system for Bangladesh-India Friendship Power Company Ltd.
- Built a public portal using React, Tailwind CSS, and Vite.
- Developed an internal admin panel using React and MUI.
- Designed and implemented backend APIs using .NET Core 8 with JWT-based authentication.
- Implemented role-based access control (RBAC) using Entity Framework Code-First.
- Deployed services using Docker and automated CI/CD pipelines.

Sundarban Courier Service (Maintenance Automation System)
AngularJS, .NET, SQL Server, Stored Procedures.
- Vehicle maintenance automation system to streamline scheduling, maintenance tracking, and spare parts inventory.
- Supported service scheduling, vehicle history management, inventory tracking, and reporting.
- Enhanced existing codebase by adding new modules and improving reporting features.
- Implemented backend logic using .NET with SQL Server stored procedures and RESTful APIs.

EDUCATION

American International University - Bangladesh (AIUB)| 2019-2024
BSc in Computer Science and Engineering
GPA:3.88/4.00

PUBLISHED RESEARCH

Impact of ChatGPT on Academic Performance among Bangladeshi Undergraduate Students
Published date- 8th Aug,2023

Breaking the Silence - Uncovering the Root Causes of Depression among Undergrad Students in Bangladesh
Published date- 16th Nov,2023

REFERANCE

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