ZARIF AMIR SANAD
DevOps & Full-Stack Developer

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🐙 GitHub   in LinkedIn   👤 Portfolio

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.

EDUCATION

AIUB| 2019-2024
BSc in Computer Science and Engineering
GPA:3.88/4.00

Government Haraganga College | 2016-2019
Higher Secondary Certificate (HSC)

Kazi Kamor Uddin Government Institution | 2011-2016
Secondary School Certificate (SSC)

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.

Software Engineer Intern ➔ Junior Software Engineer
Quad Theory Ltd | Jan 2023– Jun 2023(4-month internship + 2-month full-time)

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

Sundarban Courier Service (Maintenance Automation System)
AngularJS, .NET, SQL Server, Stored Procedures.
A vehicle Maintenance Automation system for Sundarban Courier Service to streamline scheduling, maintenance tracking, and spare parts inventory. The system supports service scheduling, vehicle history, inventory tracking, and reporting, with real-time updates via RESTful APIs. I updated existing code, added new modules, and enhanced the reporting system, implementing backend logic using .NET with SQL Server stored procedures.

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

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