Muhammad Mahir

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EXPERIENCE

Octopus Digital (Avanceon) Lahore, Pakistan
Full Stack Developer *April 2023 - Present*

- **Architect, Develop, and Sustain Web Solutions**: Utilized .NET Core, SQL, and Angular to drive digital transformation, optimizing user experiences and achieving 30% increase in conversion rates and a 20% decrease in bounce rates
- **AI-Driven Development Leadership**: Led the implementation of AI-driven development practices,resulting in a 20% reduction in the time required to develop new features
- **OmniConnect**: A cloud-native IT/OT convergence platform to collect, transform, enrich, access, and analyze disparate manufacturing data in real time for actionable insights to drive business performance outcomes
  - **Transformed and optimized asset hierarchy visualization**: Leveraged third-party libraries and advanced data structures to enhance visualization and manipulation of asset hierarchies
  - **Engineered Audit Trail for user activity**: Enabled detailed tracking of user actions for better security, transparency, and accountability across the platform
  - **Enhanced alarm and data monitoring systems**: Upgraded the data and system alarm viewer by adding custom filter capabilities and actionable buttons to improve user interaction and monitoring efficiency
  - **Implemented scalable tag and asset management workflows**: Integrated pagination APIs to streamline workflows, ensuring efficient handling and scalability of tag and asset data
  - **Achieved a 98% reduction in configuration time**: for thousands of assets and tags, reducing setup from hours to minutes by optimizing Excel/CSV import processes, significantly enhancing operational efficiency and minimizing manual workload
- **Fintech Feul**: An all-in-one solution for elevated fuel retail efficiency, data-driven insights, and optimal fuel utilization
  - **Overview**: Contributed to a robust fuel management solution designed to elevate operational efficiency in the fuel retail sector, minimize losses, and drive sustainability
  - **Integrated charts and analytics**: to provide real-time monitoring of fuel levels, consumption patterns, and fleet efficiency.
  - **Streamlined conditional UI elements**: such as tab availability based on device configuration, enhancing user experience and interface adaptability
  - **Configured plant site settings**: Pump-specific customizations like Tank, Nozzle and Product Configurations, to support scalable deployment across various station setups

EDUCATION

FAST NUCES Lahore, Pakistan
Bachelor of Science in Computer Science *Aug 2019 - May 2023*

- **Relevant CourseWork**: Software Engineering, Algorithms and Data Structure, Artificial intelligence, Software Design and Analysis, Object Oriented Programming (OOP), Professional Practices, NLP, Bioinformatics, Software Testing, Information Retrieval, and Cloud Computing

SIDE PROJECTS

- **Heal Labs**: Designed and Engineered an AI-driven healthcare platform built with MERN stack to streamline doctor-patient appointment scheduling and manage healthcare services.Deployed on AWS EC2 using Nginx and PM2
- **Kanban Board**: Developed an advanced task management and workflow organization application using Angular 17 and Angular CDK,ensuring a seamless user experience with optimized performance

TECHNICAL SKILLS

- **Technologies:** .Net Core, C# , LINQ, EF Core, Angular, TypeScript, JavaScript, HTML5, CSS3, SASS, Python, React, Node.js, MongoDB, SQL, AzureSQL, REST API, JSON, Azure
- **Development Tools and Methodologies:** MUI, React Router, CodeceptJS, Express.js, GitHub Copilot, Git, Angular CLI, Jest, Jira, Agile, Scrum, Nginx
- **Professional Certifications:** Pearson's IT Specialist (Cloud Computing), Meta Front-End Developer Professional Certificate, Google's Python Automation Crash Course