Manish Ranjan Mahanta

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Summary

A Senior Software Engineer with **7.6+ years** of proven SDLC experience architecting, leading, developing and deploying several enterprise-grade applications, RESTful web projects & Windows services.

Innovative, detail-oriented, versatile professional & fast-learner with a problem-solving attitude, strong debugging and analytical skills and a passion for quality, performance, and engineering excellence.

Work Experience

UNISYS INDIA, Bengaluru, KA

Senior Engineer   **04/2021 - PRESENT**

AWS, Azure & VMware Cloud Adoption

- Drove roadmap planning for adopting & supporting VMware, AWS & Azure Cloud Platform (PaaS) collaborating with global & external leaders, ensuring **99.9%** uptime, which was the key factor in acquisition of ***$144 million*** contract.

Diagnostic Collection Suite - RESTful APIs | C# .NET Core | SPA.js | MariaDB/MySQL

- Led design & development of automated multi-threaded information retrieval API, which improved average bug resolution time by **25**%.
- Created GitLab DevOps pipelines for CI/CD, leveraging MSBuild, MSTest & MSDeploy along with SonarQube for code quality measure stages.

Version Compliance Suite – Web Development | C# .NET Core | Razor Pages | MariaDB

- Led planning, architecture & development and delivery, re-designing APIs & leveraging parallel programming and algorithmic improvements, improving reporting output by **10x** & performance by **15**%.
- Collaborated & worked cross-functionally with various teams (product management, testing & documentation teams) to drive product release.

Mentor Experience

- Mentored associates and fostered a team-culture of *doing it right the first time* by emphasizing on detailed planning, high code standards, code reviews, high coverage unit tests.

Systems Engineer   **07/2017 – 03/2021**

Soft Tape Manager 2.0 - RESTful APIs | C# .NET Framework | SPA.js | SQL Server | Distributed Systems

- Team leader for complete SDLC of 2nd release, responsible for architecting Windows Clustering for distributed highly available, scalable & product.
- Enhanced PowerShell, Shell and Perl Scripts for Windows and Linux to secure socket communications over TLS 1.2 + in record time of 8 days. **[Exceed Award]**

Associate Engineer   **06/2016 – 06/2017**

Mainframe Lifecycle Manager – Win32 APIs | C++ | Sockets | Systems Programming

- Refactored socket communication in large codebase of enterprise scale business critical application to fix bugs & incorporate TLS, improving security.

Soft Tape Manager - RESTful APIs | C# .NET Framework | SPA.js | SQL Server |Systems Programming

- Full stack development with tape emulation logic in backend incorporating SMB-CIFS for data-plane & RESTful API for control plane. [**Patent** - **US 15/933,662**]

Education

National Institute of Technology (NIT) Surat
-May 2016
Bachelor of Technology, Computer Engineering

Skills

- C# .NET
- RESTful APIs
- Data Structures & Algorithms
- OOP Design Patterns
- HLD System Design
- Azure | AWS
- DevOps | CI/CD
- Agile | SCRUM
- JavaScript
- Razor Pages
- React.js

Cloud Certifications

- AZ-900 Azure
- AWS Cloud Practitioner

Hobbies

- Photography
- Travelling
- PC Games
- Basketball
- Table Tennis

Projects

BetterCoder.in – OAuth 2.0 | ASP .NET MVC | React.js | Azure SQL | Azure Web Apps (SaaS)

Developed website with practice roadmap of community curated and categorized LeetCode questions with solutions, to upskill problem solving skills in computer science by data-structures and algorithms.

OpenAI Voice Assistant - Python | Open AI GPT 3 API

Developed a minimalist interactive voice assistant which listens to the user voice commands, analyzes it and responds considering the context set by previous inputs as well, in the same language.