

Avinash Mahala

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A results-driven software engineer with around 5 years of professional experience from MNCs like General Electric and Wipro. Proficient in software development in a wide range of programming languages and technologies, including C# .Net, Javascript, JQuery, and React JS. Demonstrated expertise in designing and implementing complex systems, optimizing performance, and driving process improvements.

Education

University of Texas at Arlington

Master's in Computer Science

Arlington, Texas

Graduation Date: May 2024

Experience

General Electric [Key Skills: C#, ASP .Net Core, React JS, MS SQL, TypeScript, Web API] **Bengaluru, India**
Software Engineer *January 2020 – July 2022*

- Achieved optimization of data processing for 100,000 plus records, reducing latency by 94%, modifying a data-intensive API and data-loader service using C# .Net and SQL, showcasing robust problem-solving skills.
- Delivered a 90% increase in operational efficiency by closely collaborating with UX designers to successfully implement 3 major UI components using React JS, exhibiting seamless teamwork and communication.
- Programmed automation of testing workflows within Jenkins' pipeline by integrating Cucumber, Selenium, and other third-party tools, leading to a notable 97% improvement in process efficiency.

Awards : 1. Lead with Transparency (Q1 2021) 2. Circle of Champions(Q1 2020)

Wipro Limited [Key Skills: C#, ASP .Net Core, MS SQL, NuGet, NPM, Azure DevOps] **Bengaluru, India**
Project Engineer *November 2017 - December 2019*

- Enhanced an existing middleware for a vehicle tracking system by implementing significant changes using C# and .NET, leading to a notable 91% decrease in downtime and strengthening system stability.
- Introduced a data-centric recommendation engine that efficiently analyzed data to reduce fuel consumption by 19%, demonstrating the effectiveness of data-driven decision-making.

Projects

MicroMarket - A Microservices App | Python, Django, Flask, Docker, RabbitMQ, React JS, Typescript

- Undertook a personal project to explore microservices architecture, demonstrating self-motivation and curiosity.

Key Features : CRUD Simplicity, Data Synchronization, Dockerized Solution, React-Based UI

Project Link : <https://github.com/AvinashMahala/MicroservicesApp>

Property Data Management System | Node .JS, Express .JS, MongoDB, Redux, Material UI, Git CI/CD

- Successfully completed a hobby project using the MERN stack, showcasing proactive learning and versatility.

Key Features : Property Listing, Analytics Dashboard, Notifications and Reminders, Manage Users

Project Link : https://github.com/AvinashMahala/02_PropertyDataManagementSystem

PhoneBook Input Validation | C#

- Spearheaded the development of the "Input Validation Project" as part of the Secure Programming course at The University of Texas at Arlington, demonstrating a keen understanding of rigorous input validation principles and their significance in ensuring data integrity and security.
- Implemented Log Analysis using NLog to facilitate effective monitoring and debugging of the application, ensuring smooth operation and timely resolution of potential issues.

Project Link : https://github.com/AvinashMahala/01_UTA_MS_CSE_5382_Secure_Programming_Project

Skills & Relevant Coursework

Programming : C#, Python, JAVA, JavaScript, TypeScript, MATLAB, DataStructures & Algorithms

Database : MySQL, SQL Server, SSMS, MongoDB, PostgreSQL, GraphQL, MySQL WorkBench, NoSQL

Full-stack Development : HTML, CSS, React JS, object-oriented programming, Bootstrap, SCSS

Developer Tools : Git, Docker, Agile, SCRUM, VS Code, IntelliJ, Linux, Visual Studio, PostMan

Others : Database design, Web API, REST API, Data Workflows and Pipelines, Data Syncing, Jenkins, Selenium, Microservices, TDD, Docker, Kubernetes, CI/CD, AWS, MS Azure, NUnit, Moq, Testing Automation

Relevant Coursework: Computer Architecture, Artificial Intelligence-1, Distributed Systems, Machine Learning, Cloud Computing & Big Data, Secure Programming, DBMS Models and Implementation