MANASA ULLAM

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SUMMARY

Highly organized, collaborative, and adept full-stack developer with over 3+ years of professional experience excelling in dynamic, deadline driven work environments. I have demonstrated proficiency in utilizing state-of-the-art technologies to produce solutions that are both high-quality and innovative.

EDUCATION

Bowling Green State University, Bowling Green, OH, USA   January 2023 - April 2024
Master of Science, GPA: 3.88/4

Bapatla Engineering College, Bapatla, INDIA   August 2018 - May 2022
Bachelor of Technology, GPA: 3.59/4

SKILLS

- **Programming Skills:** C, C++ , Python, Java, JavaScript, TypeScript, C#, PHP (Laravel), HTML, CSS
- **Frameworks & Libraries:** ReactJS, Angular, React Native, Hibernate, ASP.NET, Node.js, ExpressJS, Spring Boot, Spring MVC, Spring Core
- **Databases:** Oracle, MySQL, MongoDB, PostgreSQL, Firebase
- **Cloud Platforms:** AWS using EC2, DynamoDB, Lambda, S3 , Google Cloud Platform , Microsoft Azure
- **Development Tools:** Jenkins, GitHub, Bitbucket, Figma**,** Jest, Adobe XD , Docker, Kubernetes
- **Development Methodologies:** Object-Oriented Programming (OOP), Code Review, Refactoring , Agile, XP Methodologies, Test-Driven Development (TDD), Functional Testing, System Integration Testing, Unit Testing, , CRUD Operations, API Testing, Asynchronous Operations, State Management
- **API and Integration:** REST APIs, GraphQL, Middleware Solutions, Cloud Integration with Firebase, AWS, and Google Cloud
- **Machine Learning:** SKLearn, PyTorch, Natural Language Processing (NLP), Neural Networks

WORK EXPERIENCE

Full Stack Developer
Senecio Corporation, Bowling Green, USA   December 2023 – Present
- Designed the frontend of the Augvents mobile application from scratch using the React Native framework.
- Implemented scalable RESTful APIs with Node.js and Express.js, and utilized MongoDB for efficient data management and Cloudinary for optimized image storage. Managed asynchronous operations and error handling using Express Handler.
- Conducted API testing with Postman, ensuring effective collaboration with the backend team to enhance performance.

Software Development Engineer   April 2020 – November 2022
Amazon, Hyderabad, India
- Developed and maintained scalable web applications and cloud-native micro services using React, Node.js, and AWS, ensuring high performance and reliability for millions of users.
- Designed and developed software components for high-volume e-commerce solutions using Java, Spring Boot, and Hibernate, with Angular and ReactJS for frontend development, achieving robust outcomes.
- Implemented Agile and XP practices, focusing on test-driven development and continuous integration with Jenkins and Git, enhancing team collaboration through pair programming.
- Integrated AWS services such as EC2, DynamoDB, Lambda, and S3 to provide efficient data storage, processing, and retrieval, ensuring high availability and reliability

PROJECTS

City Code Enforcement Mobile Application
- Developed a complete cross-platform mobile application using React Native to enhance code enforcement with real-time tracking and management of violations.
- Integrated Google Maps API for precise geolocation and navigation, and implemented dynamic data visualization with React Native Gifted Charts for reporting and analytics .Used Firebase for real-time database management and secure storage.

Video Chatting Website
- Developed a web-based Video Chatting Website using Adobe Flash Media Server, Scaledrone, and WebRTC, enabling real-time, Plugin-free video conferencing accessible globally without downloads.
- Hosted on 000webhost, the platform features advanced peer-to-peer connections, chat room management, and responsive
- cross-platform interfaces, employing JavaScript and HTML5 APIs for enhanced video streaming and user interaction