PREETHAM TAMMANA

Charlotte, NC | 980-553-0790 | maruthiram.tammana@gmail.com| LinkedIn| GitHub| Portfolio |AWS-SA

EDUCATION

University of North Carolina, Charlotte, NC, USA   **Jan 2022 – May 2023**
Master of Science in Information Technology (GPA – 3.7)

TECHNICAL SKILLS

Languages	**:**	Java, JavaScript, Python, TypeScript, Golang
Frontend	**:**	Angular, React.js, Next.js, Redux, AJAX, HTML, CSS, SCSS/SASS, Figma, Bootstrap
Backend	**:**	Spring Boot, Express.js, Node.js, REST API, GraphQL, Kafka, Apache Tomcat, Junit
Databases	**:**	MySQL, PostgreSQL, MongoDB (NoSQL), Microsoft SQL Server, Redis, Hibernate (ORM)
Cloud/DevOps	**:**	Amazon Web Services (AWS), Docker, Kubernetes, Jenkins
Other Tools	**:**	Git, GitHub Actions, GitLab, JIRA, Maven, Postman, Eclipse, Visual Studio Code

WORK EXPERIENCE

Software Developer, Eranova AI, Charlotte, USA   **Mar 2023- May 2024**

- Engineered a dynamic and responsive web application using the Django framework, HTML, CSS, and JavaScript, incorporating Ajax functions for dynamic interactions, resulting in a seamless and engaging user experience.
- Designed and implemented a robust architecture for a SharePoint Syncing application leveraging AWS components such as S3, Lambda functions, Auto Scaling, and asynchronous operations, ensuring scalability and high availability.
- Integrated advanced machine learning models using TensorFlow.js and Ml5.js for real-time supervised and unsupervised data segregation, significantly enhanced client data analysis and decision-making capabilities. Achieved 120% increase in syncing time of files in Eranova cloud.

Java AWS Developer, McKesson, Rockhill, USA   **June 2023- Feb 2024**

- Contributed to the development and optimization of McKesson Vendor portal by collaborating with DevOps and Testing teams.
- Architected cloud solutions using AWS services like EC2 and S3, implemented auto-scaling groups, and load balancers to ensure high availability and performance. Developed interactive UI components with Angular and streamlined REST API interactions.
- Designed secure cloud architectures using AWS VPC and IAM policies. Developed a custom JavaScript framework for interactive dashboards and utilized Angular services for secure API transactions, resulting in a 30% improvement in data security and performance.
- Achieved 100% uptime for application by optimizing the workflow engine and implementing robust monitoring tools.

Application Development Analyst , Accenture, Hyderabad, IN   **May 2019 - Dec 2021**

- Collaborated with cross-functional teams for Full Stack Development of Metrolinx Transportation Platform. Successfully delivered 4 development projects, and tracked & debugged 30+ complex production bugs.
- Architected a scalable backend system using Spring Boot, enabling the application to handle a 120% increase in concurrent user requests efficiently. Implemented Jenkins for continuous integration, reducing manual effort by 50% and accelerating release cycles with automated build and deployment processes.
- Developed responsive chatbot APIs with OAUTH authentication and host based authentication for IOT devices, ensuring secure and reliable interactions. Implemented a distributed caching layer using Redis, reducing data access latency by 40% and database load by 30% across microservices.
- Crafted engaging services catalogs, Different Cards usage, and Transaction History (Angular/TypeScript/CSS), boosting engagement by 20%, revamped Landing homepage with navigation of 3 different service providers including purchase and profile options, increasing customer satisfaction by 30%.
- Optimized asset delivery by implementing lazy loading for large images and videos, improving page load times by 20%, enhanced performance by implementing On-Push change detection and PWA features in Angular components, reducing unnecessary renders.
- Developed an automation tool to shorten the testing period of the CRE engine, resulting in a 328% increase in testing efficiency.

ACADEMIC PROJECTS

Medical Appointment System

Developed a Front-end Web Application integrated with MongoDB to streamline medical appointment scheduling by allowing patients to book appointments, doctors to manage availability, and administrators to add hospitals and doctors. (**MEAN Stack**)

Apex Game Trading Web Application

Developed a user-friendly interface with real-time item browsing and trade request capabilities, ensuring efficient trade confirmation and management via an interactive platform. (**MEAN Stack**)

ACHIEVEMENTS

Ace Award of the year 2021, Accenture India