LOMADA SAI PRIYA

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Professional Summary

Software Engineer specializing in backend development, building scalable, high-performance systems for real-time platforms. Experienced in microservices, API optimization, and delivering resilient architectures handling millions of requests.

Education

Sree Vidyanikethan Engineering College *2020-2024*
B.Tech in Computer Science and Systems Engineering *CGPA: 9.45*

Technical Skills

Languages & Frameworks: Java, Vert.x, Python

Data & Messaging Platforms: Apache Kafka, MySQL, Redis, Caffeine Cache, Apache Spark

Cloud & Infrastructure: AWS, Distributed Systems, Docker, Git, GitHub, Linux, Datadog

AI & Automation: Generative AI, LLM Integration (OpenAI, Gemini), Test Case Automation

Professional Experience

Dream11 *Dec 2024 – Present*
Software Development Engineer 1 *Mumbai, India*

- Developed backend services for the **Winners Hub Platform**, supporting real-time winner tracking and multi-regional aggregation for millions of users.
- Designed high-performance caching architecture, reducing database load by 70% and achieving sub-50ms response times for winner data.
- Engineered high-throughput backend systems using Kafka, Redis, MySQL, and Caffeine Cache, ensuring sub-50ms latency and 99.9% uptime during IPL-scale traffic. Conducted load testing, profiling, and API optimization to support millions of concurrent users.
- Contributed to **Feeds Aggregator**, Integrated multi-sport real-time scorecard APIs handling millions of requests with sub-100ms latency.
- Integrated multiple third-party data providers through fault-tolerant pipelines with automated retries and monitoring.
- Built advanced player analytics with career- and format-wise performance insights and predictive metrics.
- Achieved 99.9% uptime for critical data operations across all sports feeds.
- Built an **AI-powered Test Case Generator** that automates test case creation by analyzing Figma designs and PRDs, reducing manual test authoring time by 80% across 20+ product squads.
- Implemented a multi-agent system for parallel analysis of designs and requirements, enabling real-time streaming and automated export to Google Sheets for enterprise-scale adoption.

HashedIn by Deloitte *Aug 2024 – Nov 2024*
DevOps Engineer *Bangalore, India*

- Implemented robust CI/CD pipelines to streamline development and deployment processes.
- Automated build, test, and deployment workflows to improve efficiency and reduce errors.
- Managed AWS infrastructure (EC2, S3, and VPC) for high availability and scalability.
- Monitored and optimized application performance, enhancing system reliability and user experience.

Wholesome Eten *Oct 2022 – May 2023*
ML & Data Science Intern *Tirupati, India*

- Created a Food Tracking system with Target Calorie Prediction capabilities.
- Developed and implemented a Recommendation Optimization System and Personal Assistant.
- Integrated NLP-based translations to enhance user interaction and experience.
- Designed a Personal Assistant within the App.

Achievements

NutriSustain: Personalized Health-Based Food Recommendation System *Jan 2024 – Mar 2024*

- Developed a personalized, nutritious health-focused food recommendation system leveraging machine learning algorithms to offer tailored food suggestions aligned with individual user preferences and dietary needs
- Utilized Python programming alongside RNN GAN algorithms to drive the recommendation system, ensuring precise and relevant food choices. **Conducted research and co-authored a paper published in IEEE. (*link*)**