

Nivyanth Sai Chitturi

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EDUCATION

Indian Institute of Technology (ISM), Dhanbad

Bachelor of Computer Science and Engineering (Hons.) with CGPA 8.36/10

Dhanbad, India

June 2015 - May 2019

EXPERIENCE

Techmojo Solutions

Member of Technical Staff · Web Platform

Hyderabad, IN

March 2024 - Present

- **Core systems engineer:** Key member of the core team responsible for developing high-performance applications for critical systems, including fund management, wallet services, promotions, ranking, and loyalty services. Ensured high availability and efficiency while contributing to the full development lifecycle by crafting well-designed, testable code and supporting software releases.
- **Ranking service for game leaderboards:** Redesigned and developed ranking leaderboard service to make it stateless, ensuring scalability and high concurrency for platform-level online gaming systems. Leveraged Redis Sorted Sets and Kafka to handle concurrent gameplay events for over 1,000 leaderboards, serving 1M+ active users.
- **Game cluster migration:** Led the architectural segregation of all games on the platform into distinct profiles, ensuring the reusability of game clusters. Spearheaded the structural overhaul of the promotion service's game handling to align with the new game cluster architecture.
- **Technical optimisations:** Implemented various features and optimizations, utilizing Redis for caching and Kafka for decoupled messaging between systems and services. Optimized network calls and database operations, significantly reducing latency from 2000ms to 70ms. Modernized legacy systems by migrating them from Spring to Spring Boot.

Vijayawada Municipal Corporation

Part Time Web developer · IT

Vijayawada, IN

May 2022 - Jan 2024

- **Protrack: Employee management system:** Responsible for design, development, testing, and maintenance of a full stack feature-rich, multi-stage application for Vijayawada Municipal Corporation (VMC) to track the progress of their various works and projects which helps in monitoring the performance of the employees (used by more than 100 different employed people of VMC). Led training, supervision, and project handover to a team of two recent graduates.
- **Apptrack: Online file/tender tracking system:** Designed and developed a complete file tracking system for efficient management of official documents within the corporation, reducing manual workload, identifying processing bottlenecks, and maintaining a comprehensive document flow history for organization employees. Implemented features like document auto signing, document storage, and document processing queues using AWS infrastructure like S3 storage, SQS, etc.

OYO Rooms

Software Development Engineer · Core Web

Gurgaon, IN

July 2019 - Jan 2021

- **Automated system for image operations:** Spearheaded the design, development, and maintenance of an automated system for creating, scheduling, and executing tasks related to image ranking and generating image overlays on the cloud. Achieved an 80% reduction in manual workload for the team.
- **Data Ingestion and Database Population:** Designed and implemented a robust REST endpoint for efficient CSV data ingestion, aggregation, and database population from internal analytics teams. Collected their data configurations, created models, and established seamless data population and querying processes.
- **Business Insights Portals:** Developed multiple REST endpoints tailored to serve data to revenue team dashboards and homeowner insights portal. Collected data configuration requirements from stakeholders in JSON format and seamlessly integrated them with various analytics databases such as Google Big Data, PostgreSQL, and Presto. Ensured smooth data flow, interoperability, and accessibility for stakeholders.

PROGRAMMING SKILLS

Languages: Java, Python, JavaScript (ES6), SQL

Technologies: Spring, Springboot, RESTful Architecture, Redis, Kafka, MySQL, Nodejs, ReactJs, jQuery, Docker, K8s