Penchala Sai Kosuru

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SUMMARY

Software Engineer with 3+ years of experience developing fintech Wallet and SAFE regulatory systems at Entain India, operating at large scale and high throughput. Experienced in building reliable, low-latency APIs and services for distributed environments handling millions of real-time financial transactions. Actively focused on performance, scalability, CI/CD, and ongoing technical growth.

TECHNICAL SKILLS

- **Programming**: Java, JavaScript, SQL, PL/SQL
- **Frameworks & Libraries:** Spring Framework, Spring Boot, Microservices, React.js
- **Databases**: Oracle, PostgreSQL, MongoDB
- **Cloud & DevOps**: AWS (EC2, S3), Git, GitLab, Maven, Gradle, Kibana, Postman, Apache Kafka
- **Areas of Interest**: Problem-Solving, API Development, Distributed Systems, AI

EXPERIENCE

Entain India   **Hyderabad, India**

Software Development Engineer I – Wallet Platform   Sep 2022 - Present

- Developed and enhanced **Wallet financial microservices**, building high-performance REST APIs (Balance, Debit, Credit, Adjustments) to support accurate, large-scale real-time transaction flows across Casino, Poker, Sports, and CRM platforms.
- Developed a high throughput Kafka-based event producers across services to ingest large volume of gaming transactions into partitioned topics, enabling real-time data availability for various regulators.
- Designed and implemented back-office UI and end-to-end reconciliation APIs for SAFE reports, allowing retriggering of failed or missed cron jobs and improving reporting reliability.
- Contributed to the SAFE regulatory reporting service, automating Spain/France reporting and reducing manual effort by 70%.
- Built monitoring dashboards on Kibana and implemented real-time logging for all wallet events.
- Developed and optimized Oracle database APIs, including stored procedures, improving query performance by 20% and enhancing scalability.
- Engineered bug fixes and performed in-depth debugging to resolve critical production incidents in a multithreaded environment, enhancing system stability and performance in both live and local setups.
- Collaborated closely with Agile Scrum teams—including QA, Product, and Engineering Leads—to deliver robust, time-bound releases.

PROJECTS

Enterprise Wallet System: Implemented microservices-driven REST APIs for high-volume, real-time wallet operations integrated with Kafka, MongoDB, and Oracle for scalable processing.

Safe Reporting Tool: Automated compliance reporting for Spain's gaming regulator, reducing manual effort by 70% and ensuring zero non-compliance penalties using Java and Spring Boot.

E-commerce web application: Developed core functionalities including products display, cart management, authentication, and checkout flows using React.js & Spring Boot.

EDUCATION

Bachelor of Technology – Computer Science and Engineering   **2018 - 22**

Sree Venkateswara College of Engineering – AP   *CGPA: 8/10*