

SAI DURGA SURYA TEJA CHERUKURI

Senior Software Engineer - Backend

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PROFESSIONAL SUMMARY

Senior Backend Engineer with **6.7** years of experience architecting and building distributed systems, microservices, and high-scale data platforms. Strong foundation in Java, Spring Boot, and Python with hands-on expertise in API design, data pipeline engineering, caching strategies, and cloud infrastructure (GCP, Azure). Proven track record of architecting backend solutions processing millions of records daily, with strong focus on system design, containerized deployments, and test-driven development.

CORE TECHNICAL SKILLS

Languages: Java, Python, JavaScript

Frameworks: Spring Boot

Databases & Streaming: MySQL, BigQuery, JUNOdb, Apache Kafka

Cloud & Containers: GCP, Azure, Docker

DevOps & Observability: Jenkins, Git, SignalFx, Datadog, Splunk, MCP Server, Automation

Concepts: Microservices Architecture, Distributed Systems, RESTful APIs, System Design, CI/CD, ETL Pipelines, Unit & Functional Testing, SRE

PROFESSIONAL EXPERIENCE

Senior Software Engineer

Sep 2022 - Present (3 years 7 months)

PayPal

- Architected and built microservices and internal backend tools supporting 5,000+ services, with containerized deployments using Docker and CI/CD pipelines via Jenkins.
- Designed and developed the **Enterprise Reliability Scoring (ERS)** system, a large-scale data platform processing ~5M records daily using JUNOdb for caching, computing stability scores for 5,000+ services and enabling data-driven prioritization by senior leadership.
- Engineered high-scale reporting solutions tracking on-time delivery for **100K+** merchant settlement reports with automated missing-delivery detection using Splunk, SignalFx, and CAL.
- Built automated inter-zone deployment pipelines between PayPal and Azure, reducing deployment time from **hours to ~5 minutes** for systems serving **500K+ requests/day**.
- Developed internal agentic platforms and MCP servers handling **7K-10K queries/day**, automating incident analysis and dependency tracing to reduce escalation friction.
- Wrote comprehensive unit and functional tests across all services, improving code quality and reducing production defects.

Software Engineer

Dec 2021 - Aug 2022 (10 months)

Altezasys

- Built PowerBI reliability dashboards to monitor availability, SLA adherence, and alert thresholds for critical services.
- Drove automation initiatives leveraging observability tooling, reducing alert noise and improving mean time to detection.

Programmer Analyst

Nov 2019 - Nov 2021 (2 years)

Cognizant

- Automated SAP operational workflows using Python, processing **150+ tickets/day** and eliminating multi-day manual effort.
- Designed and maintained end-to-end ETL pipelines for large-scale data processing and transformation.

EDUCATION

B.Tech - Electronics and Communication Engineering, Aditya Engineering College | 74%

AWARDS & RECOGNITION

Received multiple PayPal internal awards including **Cheers, Bravo, Props, and Spot** for high-quality delivery and impactful contributions. [View Awards](#) | [View Recommendations](#)