PRATEEK DEY

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SUMMARY

Backend platform engineer with 4 years of experience building distributed systems, enterprise data platforms, and cloud-native SaaS infrastructure using Java, Python, and AWS. Designed and scaled backend platforms supporting customer data ingestion, analytics workflows, ETL pipelines, and cross-product integrations across enterprise ecosystems. Experienced in system design, platform modernization, observability, CI/CD automation, and ownership of production infrastructure.

SKILLS

- **AI Tools:** LLM Tooling (MCP), Cursor, Claude Code
- **Languages:** Java, Python, SQL, Golang (basic), NodeJS (basic)
- **Operating Systems:** Windows, Linux, Unix
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch
- **Frameworks & Libraries:** Microservices, Rest APIs, Fast APIs, Spring Boot, Hibernate/JPA
- **Tools & Technologies:** AWS, Docker, Jenkins, Terraform, Git, CI/CD, Vs Code, PyCharm, IntelliJ

Professional Experience

Syncron Services India **Bangalore**

Software Engineer Feb 2024 - Present

- Built and scaled a centralized backend platform used across multiple B2B products, modernizing a previously decommissioned system to improve reliability, extensibility, and long-term maintainability.
- Designed and owned 20+ scalable REST APIs for ingesting, storing, and processing high-volume aftermarket customer data, enabling consistent data reuse across products and teams.
- Implemented secure data integrations using managed and customer-hosted SFTP, direct S3 ingestion, and API-based exchanges, significantly improving ingestion reliability and reducing manual intervention.
- Developed backend services with strong focus on performance, fault tolerance, and secure data handling, supporting high-availability production workloads.
- Delivered enterprise-grade security by implementing JWT-based authentication, RBAC, and SSO (Entra ID) along with secure credential management using AWS KMS and Secrets Manager.
- Built monitoring and observability dashboards and enabled structured logging and metrics, improving production issue detection and reducing debugging turnaround time.
- Led code reviews, mentored multiple junior engineers, and actively supported technical interviews, raising overall code quality and strengthening team ownership.

Associate Software Engineer Dec 2022 – Feb 2024

- Developed backend APIs integrating Sisense Open APIs to support database connectivity, data modelling, and analytics visualization for enterprise users.
- Implemented role-based access control (RBAC) to enforce secure, permissioned access across analytics workflows.
- Leveraged AWS services (S3, DynamoDB, KMS) to securely manage credentials, metadata, and configuration data.
- Ensured reliable backend integrations and data availability to support analytics workflows for B2B customers.

CERTIFICATIONS & ACHIEVEMENTS

- Published a patent for addressing human disability challenges
- Presented assistive technology model to Enable India NGO (under MHRD, India)
- Secured 1st position in competitions organized by the Computer Society of India (CSI)

EDUCATION

CMR Institute of Technology, Bangalore

Bachelor of Engineering in Computer Science Engineering (2018-2022) : 8.34 CGPA