

Sai Praneeth

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Experience

Slice

Bangalore, KA

SENIOR SOFTWARE ENGINEER

June 22 - Present

- Architected and implemented DaaS (Data as a Service) platform managing 10TB+ data across organizations, reducing data access TAT from 3 days to <5 minutes while ensuring SOC2 compliance
- Led development of in-house UPI SWITCH processing 5M+ daily transactions. Integrated critical features including Mandates and UPI-number with NPCI
- Enhanced security by implementing Luna HSM for UPI MPIN management, achieving 99.99% uptime and PCI-DSS compliance
- Developed Sanction Screening Service, preventing fraud by screening against 100+ global sanction lists
- Created the first iteration of the Avatar service, enabling real-time generation of personalized profile avatars from user selfies.
- Modernized legacy risk assessment service evaluating 100+ factors, making it 10x faster, maintainable and scalable.
- Established comprehensive observability framework using Sentry, APM, Xray, achieving 99.9% service reliability

Swiggy(SuprDaily)

Bangalore, KA

SOFTWARE ENGINEER

Sep 21 - June 22

- Integrated Algolia personalization to display items based on customer prior activity, increasing CTA by more than 40%.
- Enhanced the pricing platform to eliminate discrepancies across different pages within the same session, resulting in a better user experience by ensuring consistent pricing across the app.
- Developed features that display best-selling items based on the region, with dynamically updated SKUs. 70% of these SKUs were added to cart.

Hyperverge Inc.

Bangalore, KA

SOFTWARE ENGINEER

Dec 19 - Sep 21

- Led architectural transformation from monolith to microservices, resulting in 60% throughput improvement through optimized service boundaries and inter-service communication
- Architected ML model deployment pipeline using S3 and versioning, decoupling model artifacts from application code and enabling seamless model updates without deployments
- Owned the end-to-end design and development of a document verification service, data processing and extraction and validation.
- Developed a robust service to assess and categorize ID cards by category, enabling the application of specialized models for enhanced processing
- Implemented end-to-end encryption system for secure cross-border data transfer using asymmetric encryption and key rotation
- Developed PII masking feature with configurable rules engine, enabling region-specific ID number masking across 20+ countries
- Containerized application stack using Docker and implemented CI/CD pipelines, reducing deployment time from hours to minutes

Projects

AUTOMATICALLY CALLING NEARBY AMBULANCE SERVICE INCASE OF ACCIDENT(IOT)

Developed an IoT accident detection system using Raspberry Pi and sensors that automatically identifies crashes, locates nearby ambulance services through Google Places API, and dispatches emergency SMS notifications

GAMES DEVELOPED

Built a real-time multiplayer shooting game using Python and Pygame, implementing client-side game state management and UDP networking for low-latency multiplayer interactions

TIMING ATTACKS ON RSA

Analyzed the effectiveness of timing attacks in cracking the keys of RSA-secured systems, highlighting vulnerabilities in the RSA algorithm.

Skills

Java (Spring Boot), Go (Gin), Python (FastAPI/Django/Flask), Node.js (Express, Fastify), TypeScript (NestJS), AWS, Docker, Kubernetes, Postgre, Redis, MongoDB, Kafka, Linux, Git, Grafana

Education

Vellore Institute Of Technology

Vellore

B.TECH COMPUTER SCIENCE | CGPA 8.13/10

2016-2020