

Sai Praneeth

8309571609

c.saipraneeth888@gmail.com

mrMadFox

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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 upi transactions, Integrated critical features including Mandates and UPI-number with NPCI
- Deployed and integrated a multi-region on-premises HSM solution for UPI MPIN management, ensuring high availability, disaster recovery, and seamless operation across multiple regions, while adhering to PCI DSS compliance standards
- Engineered a memory-efficient UPI VPA blacklist feature using a bloom filter to enhance fraud prevention measures
- 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.
- Integrated Sentry, APM, and VictoriaMetrics for observability, enhancing monitoring and diagnostics

Swiggy(SuprDaily)

Bangalore, KA

SOFTWARE ENGINEER

Sep 21 - June 22

- Integrated with Algolia's personalization to customize item displays and ranking based on customer interaction history, resulting in a 40%+ increase in click-through rates.
- Improved the pricing system to resolve inconsistencies across various pages during a single session, enhancing user experience by maintaining uniform pricing throughout the application.
- Implemented regional best-seller features with real-time SKU updates, resulting in 70% of these items being added to carts.

Hyperverge

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, extraction and validation.
- Engineered a solution for ID card assessment and categorization, facilitating the identification of card types and the application of suitable ML models for verification
- 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

SOS Accident System

Engineered an accident detection system utilizing Raspberry Pi that automatically detects crashes, triggers a backend to identify the nearest available ambulance services using the Google Places API, and simultaneously sends detailed location information via SMS alerts to both the responding ambulance and the crash victim's family members, facilitating a quick emergency response.

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

Skills

Languages

Java, Go, Python, Node.js, TypeScript

Frameworks & Libraries

Spring Boot, Gin, FastAPI, Django, Flask, Express, Fastify, NestJS

Technologies & Tools

AWS, Docker, Kubernetes, Postgres, Redis, MongoDB, Elasticsearch, Kafka, Linux, Git, Grafana, Micrometer, Prometheus, VictoriaMetrics, PyTest, Selenium, Mocha, JUnit

Education

Vellore Institute Of Technology

Vellore

B.TECH COMPUTER SCIENCE | 8.13/10

2016-2020