Sai **Praneeth**

SOFTWARE DEVELOPMENT ENGINEER

📱 8309571609 | ✉ c.saipraneeth888@gmail.com | 🐙 mrMadFox | in Sai Praneeth

Skills

Languages	Python, Node.js, TypeScript, Go, Java
Tools/Frameworks	AWS, Docker, Kubernetes, Postgres, Redis, MongoDB, Kafka, Gin, Flask, FastAPI, Django, Spring Boot, NestJS, Express, PyTest, Selenium, Mocha, Grafana, Linux

Experience

Slice
Bangalore, KA

SENIOR SOFTWARE DEVELOPMENT ENGINEER — *May 22 - Present*

- Built DaaS(Data as a Service) that manages and serves data across multiple organizations, ensuring security and auditing measures are in place. Reduced TAT from 3 man-days to under 5 minutes. Supports PostgreSQL, MySQL, DBX warehouse, and async warehouse queries (on EMR using Airflow) data sources.
- Built UPI SWITCH in collaboration with five-member team, Led the migration process from Juspay Switch to an in-house solution, As a upi first company this helped deliver UPI features faster to our customers, reducing costs and dependency on Juspay.
- Built Sanction Screening Service that scrapes and enables search functionality on public lists of sanctioned individuals, ensuring compliance by preventing the onboarding of sanctioned persons.
- Developed the initial version of the Avatar service, which generates personalized avatars as profile pictures in real-time based on user selfies.
- Developed a centralized NameMatch Lambda service that compares names from various sources to identify potential fraudsters. This solution addressed inconsistencies where some services would pass names that others would fail to recognize.
- Refactored a legacy risk service that evaluates a user's purchasing power based on more than 100 factors.
- Increased observability by integrating Sentry, APM, Xray, SonarQube, Swagger, and pre-commit hooks across multiple services.

Swiggy(SuprDaily)
Bangalore, KA

SOFTWARE DEVELOPMENT 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 DEVELOPMENT ENGINEER — *June 20 - Sep 21*

- Improved overall throughput by 60% by splitting monolith into microservices.
- Used tools like sentry, opentelemetry as well as set up test environment to reduce 5xx error rates to almost zero.
- Implemented a feature to retrieve machine learning models from S3 instead of committing them to Git, significantly reducing the effort required from the engineering team.
- Developed a comprehensive end-to-end service from scratch to blacklist devices involved in multiple fraud attempts, effectively preventing further malicious activities.
- Contributed and gained expertise in developing various components of document verification service, which analyzes and retrieves data. Built it from initial stages from defining the requirements to completion of deployment.
- Designed and developed end-to-end fully functional service which categorizes ID cards based on their quality into different buckets. Focused on various service aspects like scale and configurable design.

Hyperverge Inc.
Bangalore, KA

SOFTWARE DEVELOPMENT INTERN — *Dec 19 - June 20*

- Implemented an API to prevent data theft by encrypting customer data for transfer across geographies, which is only decrypted on the receiver's side.
- Developed a feature to mask user identification numbers on national cards, making the solution region-agnostic.
- Dockerised application which made operations easy.
- Built an API to validate user inputs against data from uploaded ID cards, handling various types of information.

Education

Vellore Institute Of Technology
Vellore

B.TECH. | **CGPA 8.13/10** — *2016-2020*

- **Relevant Courses:** Object-Oriented Programming, Cyber Security, DBMS, Data Structures and Algorithms.

Projects

Automatically Calling Nearby Ambulance Service Incase Of Accident

- Developed a service using Raspberry Pi that calls an ambulance when an accident is detected. The system retrieves the vehicle's coordinates and passes them to the server.
- Utilized Google Place API to retrieve the phone numbers of nearby ambulance services..
- Used SMS-Gatewayhub to message the coordinates of the accident location to ambulance services, achieving a total TAT of less than a second.

Games Developed

- Created games such as Snake, Pong, Bomber Man, and Minesweeper using Pygame (Python).
- Developed an endless-run game using Unity and C.
- Developed a multiplayer shooting game using a UDP socket connection in Python and Pygame for the GUI, maintaining game state on the client-side which allows backend code to remain flexible and easily adaptable to multiple games.

Timing Attacks On RSA

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

Hosted A Site - Checkmeter

- Hosted a website using Flask where each user receives a custom link upon signing up. This link can be shared with friends, who can then ask questions anonymously and view the user's responses.

Student Attendance Management System

- Developed student attendance management system using Node.js, HTML, CSS, and JavaScript to streamline and automate attendance tracking for educational institutions.

Honours & Awards

2020	★★★★ rated in codechef `https://codechef.com/users/mrfox007`
2016	**Recipient of Scholarship** for meritorious performance in VITEEE-2016