Sai **Praneeth**

SOFTWARE DEVELOPMENT ENGINEER | CREATIVE PROBLEM SOLVER

☐ (+91) 8309571609 | ✉ c.saipraneeth888@gmail.com | ⬡ mrMadFox | in Sai Praneeth

Skills

Languages	Python, NodeJS, TypeScript, GO
Tools/Frameworks	AWS, Docker, Redis, MongoDb, Kafka, Confluent, Gin, Flask, FastAPI, Django, Express, PyTest, Selenium, Mocha, Sentry, Grafana, Linux

Experience

Slice
Bangalore, KA

SENIOR SOFTWARE DEVELOPMENT ENGINEER · *May 22 - Present*

- NameMatch service that compares names from multiple sources to identify potential fraudsters.
- Avatar service that generates avatars in real-time based on a user's selfie or Gmail picture during onboarding.
- Developer Daas Service(data as a service) which take cares of maintaing/serving data accross multiple organisations
- Implemented CI/CD pipeline using github actions and aws codesuite
- Refactor the complete codebase of a legacy risk service that calculates the purchasing power of a user based on over 100 factors
- Build audit logging library in golang and python
- Migrated mongo collections from cluster to other without any downtime
- Migrated internal event streaming system to Kafka/Confluent from kinesis
- Integrated sentry, apm, xray, sonarqube, swagger, pre-commit-hooks accross multiple srevice in our team

SuprDaily(Swiggy)
Bangalore, KA

SOFTWARE DEVELOPMENT ENGINEER · *Sep 21 - June 22*

- Integrated algolia personalization to display items based on customer pervious activity, cached to reduce latency.
- Improved pricing platform which removed price missmatch between different pages for same session.
- Developed feature where best selling items based on every region are displayed to some customer, this will be dynamically updated as on when customers orders.

Hyperverge Inc.
Bangalore, KA

SOFTWARE DEVELOPMENT ENGINEER · *June 20 - Sep 21*

- Improved overall throughput by 60% by splitting product into microservices.
- Used tools like sentry, opentelemetry as well as set up test environment to reduce 5xx error rates to almost zero.
- Developed polling models form s3 instead of committing to git, this has reduced effort of engineering team significantly.
- Developed an end to end service from scratch to blacklist devices, to block with multiple fraud attempts.
- 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 avoid data theft, by encrypting customer data to transfer them through various geographies, which is decrypted on the receiver's side
- Developed a complete feature to mask user identification number, in national cards of various geographies. This has been made regional agnostic which generically solves the problem.
- Dockerised application which made deployment easy.
- Built an API which validates the user inputs with the data from the user uploaded ID card, this has been generalized to handle different kinds of information in the ID card. This helps customers avoid entering incorrect data.

Projects

GAMES DEVELOPED

- Created Snake, Pong, Bomber Man, Minesweeper games using Pygame(Python).
- Created endless-run game using unity in C-sharp.
- Coded multiplayer Shooting Game using UDP socket connection.

Automatically Calling An Ambulance Service

- Created a service which calls an ambulance in the event of an accident. Used Raspberry Pi, which retrieves the coordinates of the vehicle location and passes it to the server.
- Google Place API is used to retrieve the phone numbers of the ambulance services near to the accident location.
- Used SMS-Gatewayhub to message the coordinates of the accident location to the ambulance service providers, thereby bypassing the need for a phone call.

Timing Attacks On RSA

- Analyzed how effective timing attacks can crack the key of RSA secured system.
- The analysis performed highlights the vulnerabilities of the RSA algorithm.

Hosted A Site - Checkmeter

- Hosted a site using Flask. A custom link will be generated per user after signing up on this website. This link can be further forwarded to friends, in which they can enter data which is thereafter visible to the user.

Student Attendance Management System

- Backend: Node.js.
- Frontend: HTML, CSS, Javascript.
- Created a website to manage attendence of students and perform operations.

Education

Vellore Institute Of Technology   *Vellore*

B.Tech. | **CGPA 8.13/10**   *2016-2020*

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