Satyam Shree

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WORK EXPERIENCE

Software Developer   *Jul 2022 – Present*
Cast Software, Bangalore, India
https://www.castsoftware.com/

- Designed and developed microservices using **Go** for high-performance **ETL pipelines and service orchestration**, handling complex data transformations efficiently.

- Built AI-driven data transformation workflows in **Python**, leveraging **LLMs (Langchain)** to enhance ETL processes for intelligent automation.

- Developed and optimized full-stack features using **ReactJS** for a high-volume analytics platform, ensuring a seamless and scalable user experience.

- Reduced API response times by **60-70%** and enhanced test coverage by **47%**, optimizing **Cypher queries** and backend controllers for **Neo4j database** interactions, contributing to product stability and reducing regression issues.

- Revamped product architecture to improve scalability for **SaaS deployment**, identifying and resolving system bottlenecks.

- Implemented automation tools for **data migration, discovery, and backup/restore**, streamlining enterprise workflows.

- Created **CI/CD pipelines in Jenkins**, automating build, test, and deployment processes for **Windows & Linux** environments.

- Leveraged **Docker and CLI-based solutions** to improve containerization and deployment efficiency.

Full Stack Developer Intern   *Mar 2022 – Jul 2022*
we45, Bangalore, India
https://www.we45.com/

- Created comprehensive **security labs** tailored for **SQL injection testing** on both Django and Node.js-based servers.

- Developed a **command-line tool in Python** proficient in managing **DigitalOcean droplets**, integrating AWS Cognito, KMS, Stack Compose, and serverless Lambda.

- Collaborated on **API development using serverless Lambda and Python** for new features.

Full Stack Developer Intern   *Aug 2021 – Feb 2022*
Logist Technologies, Bangalore, India

- **Backend Development with Django:** Led the development and feature enhancement of the Logist backend server using Django, focusing on robust and scalable architecture.

- **Database Design:** Designed and optimized the database, implementing multiple user types (clients and supply partners) and diverse authentication mechanisms (phone and email).

- **Live Tracking and Notifications:** Integrated live tracking functionality using **Firebase RDB** for real-time location updates. Developed push notification systems through **FCM** and managed background tasks with **RabbitMQ and Celery**.

- **Authentication and Payment Systems:** Implemented **phone OTP, email verification**, and seamless **payment integration** for secure and user-friendly transactions.

- **Real-Time Communication:** Developed a **real-time messaging and chat system** using **Django Channels** to enable instant communication between users.

- **Team Leadership:** Managed and coordinated a **team of four developers**, ensuring effective collaboration and timely delivery of features.

EDUCATION & SKILLS

B.E. in Computer Science and Engineering	**Programming Languages:** Python, JavaScript, Go, Shell Scripting (Bash, Batch)
Sir M. Visvesvaraya Institute of Technology	**Frameworks:** React, Django, Flask, Vite, Langchain, Serverless
CGPA: 8.95	**Tools:** Jenkins, Git, Docker, AWS, Neo4j, RabbitMQ, Celery