

Work Experience

Associate Staff Engineer | Nagarro | Gurugram, India | 11/2021 - Present

Project Name:- Energy Monitoring System

Skills Used : Python, AWS(Lambda, Kinesis, Glue, RDS, API Gateway and S3),

- Designed & Developed a **real-time energy analytics platform**, optimizing **plant-wide energy consumption** using enabling **cost savings and operational efficiency** across multiple facilities.
- Developed real-time dashboards to track energy consumption at plant, shop, line, and area levels.
- Led team & conducted code reviews, ensuring best practices, performance tuning, and scalable solutions.
- Interacted with clients & stakeholders to gather requirements, present insights, and drive business decisions.

Project Name:- VR Kitchen Renovation Web App

Skills Used : Python, FastAPI, AWS(Lambda, DynamoDB, API Gateway, S3, Cognito, SQS, Docker, Microservices, Asyncio)

- Built a real-time VR visualization platform, driving \$1M in monthly revenue
- Developed RESTful APIs, integrated Twilio, Stripe, Zoho, WhatsApp, and implemented Microservices & Event-Driven Architecture.
- Secured authentication via OAuth2.0 (Apple, Gmail), SAML (Microsoft), and GDPR-compliant encryption.
- Configured ELK Stack for real-time log analysis and monitoring.

Project Name:- Salesforce Heroku Sync System

Skills Used : Python, Celery, Flask, and Heroku services (Postgres, Dyno, Papertrail)

- Designed a multiprocessing data sync engine, reducing API latency by 70% (10s → 3s).
- Implemented Celery, Flask, and Heroku services (Postgres, Dyno, Papertrail) for real-time data processing.
- Developed a **bi-directional synchronizer**, ensuring seamless Salesforce-Heroku data flow.

Software Engineer | Naehas | Gurugram, India | 12/2019 - 11/2021

Project Name:- AI-Powered Entity Extraction Engine for US Banks

Skills Used : Python, Django, AWS(Lambda, RDS, API Gateway and S3), AZURE(LUIS)

- Developed an AI-based entity extraction engine that processed raw text which is contributing to **\$30.7M** in annual revenue.
- Designed and optimized rule-based AI models, improving entity extraction accuracy by **10%**.
- Implemented **Redis caching**, reducing database query times and enhancing system performance.
- Configured a secure **VPC network**, setting up a public subnet for frontend and a private subnet for backend to ensure data security and isolation.

Software Engineer | Q3 Technologies | Gurugram, India | 02/2019 - 12/2019

Project Name:- Enterprise Rail Management System for UK’s Largest Rail Operator

Skills Used : Python, AWS Lambda, API Gateway, DynamoDB, S3, Ec2, Kinesis

- Developed a **serverless enterprise application**, contributing to **\$4B in annual revenue**
- Built **REST APIs using AWS Lambda** for efficient data access and management and Integrated **Amazon API Gateway, S3, and EC2**, optimizing **performance and scalability**.
- Managed **real-time & batch data processing** with **DynamoDB and Kinesis data streams** and Monitored system health and performance using **CloudWatch**.

Software Engineer Intern | Airtel | Gurugram, India 06/2017 - 07/2017

- Ecrm tool development to track the issues like fault in network links and provides speedy recoveries.

Summary

I am a Python Engineer with **more than 6 years** of experience in backend development. My expertise lies in building scalable applications using frameworks like Django, Flask and FastAPI, and leveraging cloud technologies such as AWS for serverless solutions. I have a proven track record in optimizing performance and implementing secure architectures, helping organizations achieve significant cost savings and operational efficiency

Certifications

- Data Engineering Associate** – Databricks Academy (05/2024 - 05/2026)

Education

- Bachelor of Information Technology**, CGPA 7.8/10 – Amity University, Gurugram (05/2014 - 06/2018)

Skills

- Core Backend Skills:** Python, FastAPI, Flask, Django, DRF, ORM, Pandas, Pytest, SQLAlchemy, Celery, Asynchronous Programming
- Databases and Cloud:** MySQL, PostgreSQL, Heroku, Azure, AWS(Lambda, API Gateway, S3, DynamoDB, Secrets Manager, Cognito, SQS, Ec2).
- Others:** Docker, Kubernetes, VPC, RestFul APIs, Backend Development, Microservices, Event driven Architecture, Serverless Architecture, ELK, GenAI, Git, Github, Jira, Oauth2.0, SAML

Achievements

- Received "Extraordinary Performance Award"** in recognition of outstanding contributions and exceptional performance within the organization.
- Secured 2nd place in the Maruti Hackathon**, developing an innovative solution to enhance sales and drive business growth.