

SHALABH SONAL

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Education

IIIT Allahabad

Bachelor of Technology in Information Technology

July 2017 – May 2021

CGPA – 7.8

Subahsh Public School

Senior Secondary (AISSCE)

April 2015 – April 2016

Percentage – 92.2

Experience

Delhivery

SDE - Software Development Engineer

April 2021 – August 2022

Hyderabad

- Optimized Multi-Piece Shipment (MPS) flow by 15%, leveraging data-driven shipment convergence strategies.
- Designed and implemented enterprise-grade document management system using AWS DynamoDB, STS and S3, reducing document access latency by 40%.
- Spearheaded the development of automated route optimization for trailer trips, resulting in 3-5% reduction in fuel costs and improving fleet utilization across 100+ daily routes.
- Played key role in the scalable LISS (Large Item Shipment Sorter) project resulting in 20% improvement in large shipment sorting efficiency and handling 50,000+ items daily.
- Developed an API Gateway-backed authentication system for CMS APIs, leveraging Airtel services to securely mask delivery agent numbers and reduce authentication latency by 15%.
- Consolidated disparate messaging services into a unified solution using Kinesis and Pinpoint, reducing infrastructure costs by 30% and eliminating redundant team-specific systems.
- Migrated 3 critical services from ECS to the Devtron, optimizing costs by 25% while enabling cross-cloud portability and ensuring zero downtime.
- Built an Athena-powered API with daily automated trip reporting cron jobs, processing 100+ GB of data to generate comprehensive trip reports and deliver them to relevant stakeholder groups via email.
- Technology Stack: Python, AWS, Kafka, Microservices, Flask, Kubernetes, PostgreSQL, Redis, Docker, Nginx, Git.

Academic Projects

Realtor Website | *Django, Jinja, PostgreSQL*

- Led the development of a Django-based REST application with a team of 2, integrating PostgreSQL to showcase a variety of properties and realtors.
- Enhanced property search and inquiry process by implementing login functionality and intuitive filter-based listing exploration.

The Answer Network | *Node.js, Angular, MySQL*

- Created a Node.js - powered REST application with MySQL integration, facilitating users to submit enquiries, access, vote, and explore a searchable Q&A platform.
- Implemented a secure user authentication system, ensuring strong security measures and a user-friendly experience.

Technical Skills

Languages: Python, Java, C/C++, SQL

Developer Tools: Kubernetes, AWS, Kafka, Redis, MySql, PostgreSQL, NoSql, Docker, Git, Nginx, Kinesis(Data Streams), Flask, Django, Lambda(serverless), RabbitMQ(Event-Driven), Celery

Others: Data Structures, Algorithms, Backend Development(RESTful API, API Gateway), Microservices, DBMS, Operating Systems, Computer Networks, Linux.

Achievements and Profiles

- JEE Mains 2017: Rank 12372 (Top 1 percentile)
- **Leetcode:** Shalabh97 — **GFG:** shalabh-sonal