

Shivam Omer

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Experience

Solytics Partners

Mar 2024 – May 2025

Backend Developer

Pune, Maharashtra

- Developed and maintained **WarpDrive**, a Python-based CLI package enabling Jupyter-like workflows for 10+ engineers, reducing execution latency by **80%**.
- Engineered and optimized a distributed execution engine in **Django** and **Golang**, cutting task runtime from 5 mins to under 1 min.
- Streamlined and automated CI/CD workflows with **Jenkins**, **Groovy**, and **pre-commit hooks**, reducing review time by **20%** and deployment effort by **90%**.
- Managed cloud/on-prem deployments using **Terraform**, **Ansible**, **Docker**, **Kubernetes**, and simulated environments via **Helm** and **Minikube**.
- Led deployment drills and collaborated cross-functionally to improve incident response, release reliability, and sprint throughput by **20%**.

Projects

RideShare | *MongoDB, ExpressJS, AngularJS, NodeJS, Solidity, Blockchain* Repo: github.com/shivamomer/RideShare

- Built a peer-to-peer carpooling platform using blockchain to reduce third-party ride charges by **31%**, ensuring trustless and encrypted transactions.
- Led backend design with smart contracts and cryptographic security, eliminating up to **42%** in brokerage costs.
- Deployed RideShare smart contracts to testnet using Truffle, simulating live Ethereum interactions.

Shopping | *Python, Django, HTML, CSS, JavaScript, SQLite, REST API* Repo: github.com/shivamomer/shopping

- Developed a scalable e-commerce platform with matrix-based image processing, increasing buyer engagement by **50%** and average order value by **25%**.
- Implemented high-performance backend using **Django REST APIs**, ensuring secure and fast user experience.
- Integrated robust user authentication, secure cart sessions, and checkout flow, ensuring a safe and seamless purchase experience.

ImageUploader | *Python, Django, Pillow* Repo: github.com/shivamomer/ImageUploader

- Created a secure image uploader with authentication and encryption, boosting engagement by **25%** and satisfaction by **15%**.
- Optimized backend for storage and retrieval, reducing load time by **40%** and storage usage by **50%**.
- Added image upload rate-limiting and custom metadata fields, improving platform reliability and compliance.

Technical Skills

Languages: Python, Golang, C/C++, Java, JavaScript

Frameworks: Django, REST API, Flask, FastAPI

DevOps Tools: Docker, Kubernetes, Helm, Terraform, Ansible, GitHub Actions, GitLab CI/CD, Shell Scripting, Groovy

Cloud Platforms: AWS, Azure, On-Premise Linux Environments

Databases: PostgreSQL, MongoDB, SQLite

Tools: Git, Gitea, Postman, PyTest, Next.js

Education

Pranveer Singh Institute of Technology (AKTU)

Aug, 2019 – June 2023

Bachelor of Technology

Kanpur, Uttar Pradesh

- Relevant Coursework:** Data Structures and Algorithms, Computer Networks, Python, C

Achievements

LeetCode: 470+ problems solved leetcode.com/u/shane-Coder

GeeksForGeeks: 100+ DSA problems [geeksforgeeks.org/user/shane1707](https://www.geeksforgeeks.org/user/shane1707)

CodeStudio: 100+ questions solved codestudio.com/profile/Shivam_ce0b