

# ASHUTOSH KUMAR

+91 9382903363 ◇ Kolkata, WB

[asu2shy@gmail.com](mailto:asu2shy@gmail.com) ◇ [asu2sh.com](http://asu2sh.com) ◇ [linkedin.com/in/asu2sh](https://linkedin.com/in/asu2sh) ◇ [github.com/asu2sh](https://github.com/asu2sh)

## SUMMARY

Backend-focused Software Engineer with **2+ years** of experience building **scalable APIs**, **automation systems**, **data pipelines**, and **microservices**. Skilled in designing robust backend architectures, leading cross-functional teams, and driving performance optimisation. Seeking SDE or backend engineering roles in product-focused teams.

## SKILLS

|                |                                                              |
|----------------|--------------------------------------------------------------|
| Languages      | Python, Go, JavaScript                                       |
| Frameworks     | Django, Django REST Framework, FastAPI, Gin                  |
| Databases      | MySQL, SQLite3, PostgreSQL, MongoDB                          |
| Tools          | Git, Postman, Linux, Celery, Redis                           |
| Cloud & DevOps | Docker, Kubernetes, Google Cloud Platform(GCP), Azure DevOps |
| Soft Skills    | Leadership, Communication, Teamwork, Initiative, Ownership   |

## EXPERIENCE

|                                                      |                                          |
|------------------------------------------------------|------------------------------------------|
| <b>Lead Backend Developer</b><br>Soliva Technologies | Jul 2023 – Present<br><i>Kolkata, WB</i> |
|------------------------------------------------------|------------------------------------------|

- Led a backend team of **4 engineers** and collaborated cross-functionally with frontend, QA, DevOps, and client stakeholders in Agile sprints to deliver scalable, production-grade backend solutions.
- Architected and maintained **25+ robust ETL (Extract, Transform, Load) data pipelines** to facilitate advanced analytics, generate comprehensive reporting, and produce key performance indicators (KPIs).
- Developed an internal **fail-safe** automation API, **reducing 98% of manual deployment time** for client websites using remote SSH, 3rd-party API integrations, validation layers, and workflow orchestration.
- Designed, optimised, and **maintained 50+ REST APIs** and **70+ ORM data models** to support evolving high-throughput backend systems, including ad analytics, automation, reporting, and SaaS infrastructure.
- Migrated and **refactored core product architecture** from a tightly coupled monolith to a modular **SaaS-ready** multi-tenant backend system, enabling onboarding of **7+ clients** with isolated data and config layers.
- Implemented a **custom queueing** and monitoring system for **K8s cron jobs** with retry and cancellation logic, email/Slack-based alerting mechanisms, and centralised cloud logging, boosting **reliability by 90%**.
- Reduced **DB query load by 50%** by applying indexing, **caching**, and efficient query optimisation methods.
- Engineered an **LLM-powered scoring system** using OpenAI API to evaluate semantic alignment between **100K+ user intent signals** (keywords, ads) and destination content (landing pages, URLs).
- Introduced automated code quality workflows (pre-commit hooks, static linters) into **CI/CD pipelines**, **improving developer velocity by 25%** and ensuring consistent, maintainable codebase standards.

|                                                           |                                          |
|-----------------------------------------------------------|------------------------------------------|
| <b>Software Developer Trainee</b><br>Celebal Technologies | Feb 2022 – Jun 2023<br><i>Jaipur, RJ</i> |
|-----------------------------------------------------------|------------------------------------------|

- Built **15+ CI/CD pipelines** using Azure DevOps, deploying via VMs, Azure Container Registry (ACR), and artifact feeds across sandboxed environments with custom subnetting and routing rules.
- Explored Docker, Kubernetes, and Terraform through **3+ internal project** shadowing, gaining hands-on experience with **infrastructure-as-code**, container orchestration, and cloud-native deployments.
- Developed **20+ backend features** using Django, including designing ORM models, building **RESTful APIs**, and creating customised admin dashboards to improve data management and user experience.

## EDUCATION

|                                                                                                                                                                                                     |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Bachelor of Technology</b> , Asansol Engineering College<br><i>Relevant Coursework:</i> Data Structures, Algorithms, Database Management Systems, Computer Networks, Object-Oriented Programming | Jul 2018 - Jul 2022 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|