

# **Amol Santosh Kore**

Email: amolkore9299@gmail.com | Mobile: 9834128443

## **Python Backend Developer | FastAPI • Django • Azure • SQL | 3.5 Years Experience**

Backend developer with 3.5 years of experience building scalable APIs and automation workflows using Python, FastAPI, and Django. Strong in SQL, Azure cloud integrations, and production-ready backend logic. Proven ability to optimize data processing, improve reliability, and deliver high-quality solutions in fast-paced environments.

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### **Professional Summary**

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### **Technical Skills**

Backend Development: Python, Django, Django ORM, FastAPI, REST API Development

Databases: MySQL, SQL (Advanced), Oracle SQL (Basics)

Tools & Platforms: Azure Cloud (Data Factory, Data Lake, Azure SQL), Git & GitHub, Postman, SSMS, Visual Studio Code

### **Professional Experience**

Infosys Pvt. Ltd. — Senior System Engineer (Python/Django Developer)

April 2022 – Present | Pune, Maharashtra

Project 1: Panasonic – Python Backend & API Platform for In-Flight Entertainment

- Developed FastAPI-based microservices to automate ingestion, validation, and processing of in-flight entertainment (IFE) logs from aircraft systems.
- Built asynchronous API endpoints using FastAPI and Pydantic models for schema validation, error handling, and high-volume data ingestion.
- Designed modular Python components for cleaning, transforming, and aggregating raw usage events using Pandas.
- Integrated backend workflows with Azure Data Factory pipelines and event triggers for scheduled data ingestion.
- Fetched and stored raw data inside Azure Data Lake Gen2 and loaded refined datasets into Azure SQL Database.

- Developed Django Admin dashboards to track processed flights, ingestion errors, and allow reprocessing of failed pipeline runs.
- Created REST APIs for analytics consumers such as Power BI dashboards and reporting engines.
- Implemented optimized SQL queries and indexing strategies for faster analytics response times.
- Followed Git-based version control, structured packaging, and environment-based deployment configurations.
- Improved automation reliability to 99% and reduced manual reporting workload by nearly 80%.

#### Project 2: FinACLE – Patch Maintenance System (PMS)

- Developed backend modules in Django to automate raising, validating, and approving SQL patches across multiple FinACLE versions.
- Designed dynamic Django Forms and ModelForms for patch workflows, enabling version-specific customization.
- Performed validation of over 1000+ SQL patches in DBWare and MySQL environments, ensuring high-accuracy release cycles.
- Implemented Django ORM logic and raw SQL scripts to check data consistency, patch accuracy, and perform impact analysis.
- Maintained patch lifecycle operations including T-patch creation, C-patch conversion, and SP (Service Pack) release bundling.
- Optimized SQL queries used for patch validation, improving execution time and report generation.
- Utilized Django Admin for user management, permissions, audit logging, and patch process visibility.
- Coordinated with release teams, QA, and DB admins for production deployments and troubleshooting.
- Improved release stability to 99.9% across FinACLE versions through automated patch workflows.
- Ensured smooth database structure updates using migrations and schema management best practices.

#### Education

B.E. – Annasaheb Dange College of Engineering & Technology, Ashta

Graduation Year: 2021