

# Varun Shukla

Backend Developer (Python / FastAPI )

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## Summary

Backend Developer with 3+ years of experience in designing scalable APIs and distributed systems using Python, FastAPI, and PostgreSQL. Skilled in cloud native development (AWS, Azure, Docker, Kubernetes), CI/CD pipelines, and performance optimization. Delivered fintech, logistics, and SaaS solutions. Strong in system design, automation, agile collaboration, and building cloud-native architectures.

## Work Experience

### Software Development Engineer

Lobb Logistics, Bengaluru

*Jun 2024 – Present*

- Integrated JioBP & HPCL APIs enabling **10K+ monthly fuel transactions**, reducing errors by 40%.
- Automated FASTag toll payments for **5K+ trucks**, improving logistics efficiency.
- Designed a load-matching engine improving allocation accuracy by **40%**.
- Optimized PostgreSQL queries and materialized views, reducing reporting time by **30%**.
- Built CI/CD workflows with Docker & GitHub Actions, enabling rapid and reliable deployments.
- Collaborated with FE engineers and designers in agile sprints, improving delivery velocity by **20%**.

### Associate Software Engineer

LegalXGen Software, Bengaluru

*Jun 2022 – Jun 2024*

- Owned **70% backend development** of a legal SaaS used by 100+ law firms.
- Developed Billing Automation & E-Court features via REST APIs, contributing **50% of new modules**.
- Implemented server-side optimizations improving response times by **25%**.
- Mentored junior developers and reviewed code, raising quality by **20%**.
- Ensured legal compliance with QA through automated test pipelines, achieving **100% compliance**.

## Technical Skills

**Languages:** Python, JavaScript, SQL

**Frameworks:** FastAPI, Django, .NET

**Databases:** PostgreSQL, SQLite

**Cloud & DevOps:** AWS (S3, Lambda), Azure, Docker, Kubernetes, GitHub Actions (CI/CD)

**Concepts:** REST APIs, Microservices, OOP, Data Structures & Algorithms, System Design

## Projects

### Expense Tracker (FastAPI, PostgreSQL, JWT)

1. Built a secure tracker with JWT authentication, REST APIs and analytics.
2. Designed for multi-user role-based access and persistent storage.

### URL Shortener (FastAPI, SQLite)

1. Custom shortener developed with base62 encoding, redirect tracking, and expiration support.
2. Optimized to handle 1K+ requests/sec with minimal latency.

## Education

**MCA**, Subharti University

2020 – 2022

Coursework: Advanced Data Structures, Cloud Computing, Software Engineering

**BCA**, Subharti University

2017 – 2020

Coursework: Programming, DBMS, Web Development