

# 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

<b>Software Development Engineer</b> Jun 2024 – Present	Lobb Logistics, Bengaluru
<ul style="list-style-type: none"><li>Integrated JioBP &amp; HPCL APIs enabling <b>10K+ monthly fuel transactions</b>, reducing errors by <b>40%</b>.</li><li>Automated FASTag toll payments for <b>5K+ trucks</b>, improving logistics efficiency.</li><li>Designed a load-matching engine improving allocation accuracy by <b>40%</b>.</li><li>Optimized PostgreSQL queries and materialized views, reducing reporting time by <b>30%</b>.</li><li>Built CI/CD workflows with Docker &amp; GitHub Actions, enabling rapid and reliable deployments.</li><li>Collaborated with FE engineers and designers in agile sprints, improving delivery velocity by <b>20%</b>.</li></ul>	
<b>Associate Software Engineer</b> Jun 2022 – Jun 2024	LegalXGen Software, Bengaluru

## 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	