

Jatin Gupta

Senior Python Backend Engineer

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SUMMARY

Senior Software Engineer with **7+ years of experience** designing and building **high-performance Python backend systems**. Proven expertise in **REST API development, backend architecture, database optimization, and scalable services** for enterprise and AI-driven products. Strong experience in banking, automation platforms, and real-world production systems handling high transaction volumes.

SKILLS

Programming	Python, SQL
Backend Frameworks	Django, Flask, FastAPI
API & Architecture	REST APIs, Microservices, Authentication (JWT), Async APIs, System Design, SOLID Principles
Web Technologies	HTML, CSS, JavaScript, jQuery
Database	MySQL, Postgres
Tools	Docker, AWS, GIT, Linux

WORK EXPERIENCE

Publicis Sapient - Senior Associate Technology L1 2 Jul 2025 – 10 Apr 2026

- Designed and developed **Python-based backend services** for large-scale **banking and finance clients**.
- Built **secure and scalable REST APIs** to handle critical business workflows.
- Developed backend data validation and processing pipelines to ensure **high reliability and accuracy**.
- Collaborated with cross-functional teams to deliver **production-grade backend systems** with strict performance and compliance requirements.

Hewlett Packard Enterprises – Technical Consultant II 22 Aug 2022 – 30 Jun 2025

- Architected and developed a **Django-based backend platform (Squest Portal)** used to trigger and manage backend jobs and display execution results.
- Built **backend APIs and services** to manage database lifecycle operations across **Oracle, EDB, MSSQL, and MySQL**.
- Developed **Python services and integrations** to automate complex backend workflows with fault tolerance.
- Wrote **extensive PyTest-based test suites** to validate backend APIs and ensure system reliability.
- Optimized backend processes to improve execution stability and reduce manual intervention.

FRS Labs Research System Pvt Ltd - Senior Software Engineer

1 Jul 2021 – 31 Jul 2022

- Developed **end-to-end REST APIs** for an **Aadhaar Offline Verification system**, handling sensitive user data securely.
- Built backend APIs for a **Text-to-Speech service**, supporting real-time requests.
- Designed and implemented **FastAPI-based backend services** for an AI-powered **Face Attendance system**, used by enterprise clients.
- Ensured high API performance, proper authentication, and scalable backend architecture.

Camcom Technologies Pvt Ltd - Software Engineer

1 Oct 2019 – 26 Jun 2021

- Rebuilt a legacy system into a **scalable Python-based backend platform**, supporting **30,000+ monthly transactions**.
- Designed **REST APIs and backend services** for AI-driven damage assessment solutions.
- Implemented backend optimizations to improve **response times and system throughput**.
- Containerized backend services using Docker for consistent deployments.

BCez Technologies Pvt Ltd - Software Engineer Trainee

3 Sep 2018 – 15 Mar 2019

- Developed backend functionality for an **online candidate evaluation platform** with MCQ and coding rounds.
- Implemented REST APIs to manage candidate data, assessments, and results.

PROJECTS

DataBase Platform Automation (DBPA)

- Designed backend services to automate **database lifecycle actions** including start/stop, patching, scaling, backup, and restore.
- Built reusable backend modules supporting **multiple database engines**.
- Improved operational efficiency and reduced manual effort for enterprise customers.

Faceroll

- Developed **FastAPI-based backend APIs** for face recognition attendance.
- Implemented reporting APIs for **daily and monthly analytics**.
- Designed scalable backend architecture to support enterprise usage.

Automated Damage Detection Assessment (ADDA)

- Built backend APIs to support AI-driven car damage detection.
- Developed analytics APIs to track **model accuracy, usage metrics, and transaction volumes**.
- Delivered an end-to-end backend solution from design to production.

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science Engineering
Uttarakhand Technical University

2013 - 2017