

KARANPREET SINGH

Python Developer

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SUMMARY

Python Developer with hands-on experience building scalable backend systems using FastAPI, Django, and Flask, with a strong focus on asynchronous programming using async/await. Skilled in designing high-performance RESTful APIs, implementing efficient backend architectures, and handling concurrent workloads. Experienced in managing databases including PostgreSQL and MySQL, optimizing queries, and building reliable data-driven applications. Proficient in integrating APIs with dynamic frontends using HTML, CSS, and JavaScript, while maintaining a strong focus on clean architecture, performance, and collaboration within cross-functional teams.

KEY SKILLS

- **Programming Languages:** Python
- **Frameworks:** Django, DRF (Django REST Framework), FastAPI, Flask
- **Databases:** PostgreSQL, MySQL, SQLite3, Redis
- **Front-End Technologies:** Jinja2, JavaScript, HTML5, CSS3, Bootstrap, jQuery
- **Environment:** Linux, Ubuntu, Git
- **Other Skills:** RESTful APIs, Asynchronous Programming (Async/Await), WebSockets, Celery, JWT Authentication, API Integration, E-commerce Development, Web Development

WORK EXPERIENCE

Python Developer, Webtunix AI

March 2024 – Present

Developed scalable RESTful APIs using FastAPI to support high-performance backend services. Worked on integrating LLM and AI models to build intelligent features such as automated responses and data processing. Collaborated on backend architecture and optimized API performance for reliable AI-powered applications.

Python Developer, Prabhusar Algotech Pvt Ltd. – New Delhi

April 2024 – February 2025

Designed and developed scalable RESTful APIs for fintech applications using FastAPI, Django, and Django REST Framework to process real-time financial and trading data. Implemented asynchronous API endpoints and integrated TrueData and Yahoo Finance APIs for live stock market tracking, while optimizing backend services using Python, PostgreSQL, and MySQL to improve API performance and data reliability.

Python Developer, PhiTeck Web Solutions Pvt Ltd. – New Delhi

March 2023 – March 2024

As a Python Developer, I built scalable web applications using Python, Django, Flask, MySQL, PostgreSQL, and MongoDB, integrating frontend technologies like HTML, CSS, Bootstrap, and JavaScript while maintaining clean, well-documented code and ensuring application reliability through testing and debugging.

CERTIFICATIONS

- Upwork Certified Python Developer
- Upwork Certified Backend Developer

EDUCATION

B.Tech in Computer Science and Engineering

Desh Bhagat University - Gobindgarh, Punjab.

Diploma in Electronics & Communication Engineering

PSBTE, CHD

PROJECTS

- Live Stock Market and Data Management System
- Built an asynchronous backend service using FastAPI, Redis, and Celery to handle background job processing, task tracking APIs, and scalable workflow execution.