

Hammad Javeed

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SUMMARY

Full-Stack Python Developer with 4+ years of software development experience, specializing in backend development with Python, Django, FastAPI, and Flask. Experienced in building REST APIs, asynchronous services, background processing with Celery and Redis, database-driven applications, JWT authentication, third-party integrations, and real-time WebSocket/OCPP systems. Comfortable developing, debugging, testing, and maintaining production applications across the stack.

EXPERIENCE

Software Engineer | Taxonomy | Lahore, Pakistan | June 2024 – July 2026

- Developed REST APIs and backend services using Python, Django, FastAPI, and Flask.
- Built asynchronous FastAPI endpoints and background jobs using Celery and Redis.
- Designed database models, business logic, and JWT-based authentication.
- Worked with PostgreSQL and SQLAlchemy for data modeling and database operations.
- Improved API reliability through debugging, testing, and performance optimization.
- Documented APIs using OpenAPI/Swagger and collaborated through Git/GitHub.

Tech Stack: Python, Django, FastAPI, Flask, PostgreSQL, SQLAlchemy, Celery, Redis, REST APIs, JWT, Git

Software Engineering | DYSOL | Lahore, Pakistan | March 2023 – May 2024

- Developed backend APIs and services using Python, Django, and FastAPI.
- Implemented background processing with Celery and Redis for monitoring and data workflows.
- Worked with OCPP and WebSockets for real-time EV charger communication and monitoring.
- Developed database models and persistence logic using PostgreSQL and SQLAlchemy.
- Contributed to API testing, debugging, and backend performance improvements.

Tech Stack: Python, Django, FastAPI, PostgreSQL, SQLAlchemy, Redis, Celery, OCPP, WebSockets, Git

TwinSpider | Gujrat | On-site | Feb 2022 – Feb 2023

Full Stack Developer

- Developed backend services and REST APIs using Python, FastAPI, and Flask.
- Integrated AI services, payment gateways, authentication, and third-party APIs.
- Worked with MongoDB and Firebase for application data and real-time features.
- Contributed to frontend and backend development using React.js, Next.js, and Node.js.

Key Tools: Python, FastAPI, Flask, REST APIs, MongoDB, Firebase, React.js, Next.js, Node.js, Git/GitHub

Freelance Full-Stack & Mobile App Developer | Jan 2021 – Jan 2022

- Developed web and mobile applications using Python/Django, MERN, .NET, and React Native/Expo.
- Built REST APIs, authentication systems, database integrations, and third-party API integrations.
- Worked with SQL and NoSQL databases and handled application debugging and deployment.

PROJECTS

- **Business Invoicing & Tax Management Platform (Python, Django, FastAPI)**
Built scalable backend services for digital invoicing and tax management, implementing REST APIs, authentication, database operations, and third-party integrations with PostgreSQL, Celery, and Redis.
- **EV Charging & Energy Management Platform (Python, FastAPI, OCPP)**
Built backend services for real-time EV charger monitoring, charging sessions, energy tracking, and OCPP/WebSocket communication using PostgreSQL, Redis, and Celery.
- **NxtCure (iOS) — Live on App Store**
AI-powered healthcare application built with React Native (Expo), Google Gemini, and Firebase, featuring AI-driven insights, symptom tracking, clinical trial matching, notifications, and privacy-focused workflows.

- **SAVIOT — Smart Energy Management (MERN)**
Built a smart energy management platform for real-time electricity monitoring, energy optimization, and cost reduction.
- **SignSpeak (Python, OpenCV, MediaPipe, TensorFlow)**
Built an AI-powered assistive tool that converts hand gestures into real-time speech using computer vision and machine learning.
- **Price Monitoring System (Python, BeautifulSoup, Requests)**
Built an automated web scraper to collect and monitor product pricing data for analysis.

EDUCATION

University of Gujrat
Computer Science
CGPA: 3.09

SKILL

- **Languages:** Python, JavaScript, TypeScript, C#, C/C++
- **Backend:** Django, FastAPI, Flask, REST APIs, JWT, WebSockets, Node.js, Express.js
- **Asynchronous Programming:** AsyncIO, FastAPI async endpoints, Celery, Redis, background jobs, threading/multiprocessing fundamentals.
- **Databases:** PostgreSQL, MySQL, MongoDB, Firebase, SQLAlchemy
- **AI & Data:** OpenAI, Gemini, LLM integration, Pandas, NumPy, BeautifulSoup, Requests
- **Testing & API Tools:** Unit Testing, Integration Testing, OpenAPI, Swagger, Postman
- **Cloud & Development:** AWS, Git, GitHub, third-party API integration
- **Frontend:** React.js, Next.js, Vue.js, HTML/CSS

CERTIFICATES & COURSES

- IBM — Solving Problems with Creative Thinking
- Google — Data, Everywhere
- IBM — Cloud Computing
- NDG Linux Unhatched
- Cisco Networking Academy — Cisco Packet Tracer