

Hassan Raza

Python Backend Engineer

AI Integrations · Automation · Django & FastAPI APIs

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PROFESSIONAL SUMMARY

Python Backend Engineer with 6+ years of experience building APIs, Django platforms, backend services, dashboards, automation workflows, scraping systems, and cloud-deployed products. Strong fit for backend roles at product/startup teams that need practical Python engineering, API development, data workflows, automation, and integration of AI-assisted features into usable products.

TECHNICAL SKILLS

Backend Engineering

Python · Django · Django REST Framework · FastAPI · CherryPy · REST APIs · OpenAPI

Automation / Data

Python scripting · Selenium · BeautifulSoup · scraping workflows · data processing · scheduled jobs

Cloud / DevOps

Docker · AWS · GCP · DigitalOcean · Heroku · AWS EC2

AI / Product Integration

AI-assisted workflows · generative AI pipelines · AI-enabled dashboards · Flux · WAN2.1 · LoRA experimentation

Databases / Async

PostgreSQL · SQL · MySQL · Elasticsearch · Celery · Redis · background workers

Frontend / Tools

HTML · CSS · JavaScript · jQuery · basic React · Git · Jira · Miro · Slack

PROFESSIONAL EXPERIENCE

Independent Product Developer / Python Backend Engineer

Jun 2025 – Present

Independent · Berlin, Germany

- Built Python-based product prototypes around education, dashboards, video/content analysis, automation, and AI-assisted workflows.
- Developed backend concepts for tools that analyze recorded classes and generate useful learning material for students.
- Designed dashboard-based flows involving teachers, students, generated content, backend processing, and user-facing product experiences.
- Worked across backend architecture, API design, data processing, automation, and AI integration patterns.

Python Backend / AI Integration Engineer

Dec 2024 – Jun 2025

Mushroomi LLC · Berlin, Germany

- Developed and maintained Python-based systems supporting e-commerce, data scraping, backend maintenance, and AI-assisted product workflows.
- Worked on codebase management, backend improvements, internal automation, and product-supporting Python scripts.
- Contributed to AI-enabled virtual try-on and generative image workflows for apparel and e-commerce visual experiences.
- Experimented with Flux, WAN2.1, and LoRA-based workflows for image/model generation use cases.

Python / Django Engineer & Instructor

Sep 2023 – Nov 2024

Digital Career Institute GmbH · Berlin, Germany

- Delivered backend-focused training across Python, Django, Django REST Framework, FastAPI, PostgreSQL, Docker, deployment, and cloud basics.
- Reviewed developer code and improved backend structure, debugging approach, API implementation, database usage, and project quality.
- Built practical examples covering REST APIs, authentication concepts, database models, deployment workflows, and backend best practices.
- Mentored developers through backend/full-stack projects using Python, Django, JavaScript, HTML/CSS, PostgreSQL, Docker, AWS, GCP, and DigitalOcean.

Python Backend Engineer

Jun 2022 – Jul 2023

Zattoo · Berlin, Germany

- Developed and maintained Python REST API services using CherryPy for a streaming/media technology environment.
- Worked on backend features involving databases, API integrations, service maintenance, and internal platform workflows.
- Contributed to a FastAPI-based internal/semi-ML project and used OpenAPI for API documentation.
- Used Docker, Elasticsearch, AWS, GCP, Jira, Miro, and Slack while collaborating with cross-functional engineering teams.

Full-Time Python / Django Developer

Apr 2021 – Jun 2022

Crimson Education · Remote, Germany

- Developed and maintained a Django-based EdTech dashboard used by internal teams supporting students applying to universities in the US, UK, Canada, and other markets.
- Built Django modules and REST API endpoints for student-management, internal workflows, and dashboard features.
- Designed backend structures for new requirements and translated product needs into implementation plans.
- Managed PostgreSQL database work, Celery scheduled tasks, Redis-backed workflows, and deployment/server tasks using Heroku and AWS.
- Worked remotely with strong ownership over ongoing dashboard development and maintenance.

Python / Django Developer

Feb 2018 - Mar 2021

Al-Bari Solutions · Rawalpindi, Pakistan

- Built Django/Django REST Framework APIs, dashboards, web portals, and backend features across multiple projects.
- Created scraping and automation workflows using BeautifulSoup, Selenium, and Python scripting.
- Developed dashboards using Django templates, HTML, CSS, JavaScript, and jQuery.
- Worked with SQL/PostgreSQL databases, Celery, Redis, scheduled background tasks, and AWS EC2 deployments.

EDUCATION

BS Software Engineering, National University of Modern Languages — Islamabad, Pakistan | 2014 - 2018

LANGUAGES

{'Urdu': 'Native'} · {'English': 'C1'}