

# Hafiz Ahmad Aftab

Python · FastAPI · Django | Team Lead | Data Analyst

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## SUMMARY

Python Team Lead and Senior Developer with 6+ years of experience building secure, scalable backend systems using Python, FastAPI, and Django. Proven expertise in REST API development, PKI/Certificate Authority implementation, and ETL pipeline engineering. Strong data analytics background with hands-on experience in PostgreSQL optimization, HIPAA-compliant healthcare data processing, and data visualization. Effective engineering leader with a track record of driving code quality, mentoring teams, and delivering production-grade solutions.

## EXPERIENCE

### DictaLabs

Aug 2025 – Present · 9 mos · Full-time

Lahore, Punjab, Pakistan

#### Team Lead

Jan 2026 – Present · 4 mos

- ▶ Lead a cross-functional team of Python engineers delivering secure, production-grade backend services — overseeing architecture, roadmap, and timelines.
- ▶ Design and develop high-performance FastAPI REST APIs with focus on security, scalability, and clean architecture patterns.
- ▶ Architect and implement PKI solutions including Certificate Authorities and end-to-end certificate lifecycle management for enterprise security.
- ▶ Drive code quality through rigorous reviews, secure coding standards, and mentorship of junior and mid-level engineers.
- ▶ Partner with product and DevOps teams on sprint planning, system design, and seamless CI/CD delivery.

Skills: Python · FastAPI · PKI · Certificate Authorities · REST APIs · Team Leadership · System Design

#### Senior Python Developer

Aug 2025 – Present · 9 mos

- ▶ Built robust, high-throughput FastAPI REST APIs with emphasis on reliability, performance, and maintainability at scale.
- ▶ Designed and deployed PKI infrastructure including Certificate Authorities and automated certificate lifecycle workflows.
- ▶ Established and enforced secure coding practices and architectural standards, reducing vulnerabilities across the codebase.
- ▶ Collaborated with DevOps teams to streamline deployment pipelines and improve system observability.

Skills: Python · FastAPI · Django · PKI · REST APIs · DevOps · Code Review

### Product Engineer — Data Analyst Focus

Oct 2022 – Present

Evocatemedialabs — USA (Remote)

- ▶ Engineered Django-based data pipelines to ingest, clean, and standardize large-scale product usage data for reliable monthly reporting.
- ▶ Built ETL workflows using Python (Pandas) and Celery to process transactional datasets into PostgreSQL, reducing preprocessing time by 80%.
- ▶ Developed RESTful APIs translating business requirements into on-demand analytics endpoints for stakeholders.
- ▶ Optimized PostgreSQL via strategic indexing and automated backups, improving analytical query speed by 30%.
- ▶ Produced data visualizations using Matplotlib, Seaborn, and Plotly for executive stakeholder reviews.

## Data Analyst

Aug 2024 – Apr 2025

### Haven Health Management — USA (Remote)

- ▶ Collected, cleaned, and integrated patient data from ModMed EHR using Python (Pandas) and SQL, maintaining strict HIPAA compliance.
- ▶ Analyzed appointment no-show patterns, delivering recommendations that reduced patient wait times by 15%.
- ▶ Automated reporting workflows via Python and Celery, eliminating manual overhead and providing real-time metrics to department heads.
- ▶ Built KPI dashboards in Matplotlib and Plotly — covering patient flow, physician workload, bed occupancy — supporting staffing decisions.
- ▶ Implemented automated appointment reminders with clinical teams, increasing patient adherence by 10%.

## Python Developer (Django)

Jan 2020 – Jul 2021

### FJA Tech Solution — Lahore, Pakistan

- ▶ Developed a full-featured Django CMS for coupon and redemption management backed by PostgreSQL, optimized for downstream analytics.
- ▶ Built ETL workflows in Python (Pandas) generating weekly reports that identified top-performing offers.
- ▶ Automated coupon updates and backups, cutting manual maintenance by 50% and improving system reliability.
- ▶ Analyzed redemption patterns and cashback incentives, driving a 20% increase in partner sales.

## Python Developer (Django)

Jan 2019 – Nov 2019

### PascalineSoft — Lahore, Pakistan

- ▶ Built a Python/Django web application for social data management and user behavior analysis, increasing platform engagement by 25%.
- ▶ Integrated Google APIs to automate contact workflows, reducing manual tasks by 40%.
- ▶ Implemented authentication and encryption protocols ensuring full data-protection compliance.

## EDUCATION

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### Bachelor of Science in Computer Science

Apr 2014 – Sep 2018

Bahauddin Zakariya University — Multan, Pakistan

## CERTIFICATES

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### Python Data Structures

May 2019

University of Michigan

### Python for Everybody

Aug 2018

University of Michigan

## SKILLS

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- ▶ Python
- ▶ Django & Django REST Framework
- ▶ RESTful API Design
- ▶ Pandas & NumPy
- ▶ Matplotlib, Seaborn & Plotly
- ▶ Git, GitHub & GitLab
- ▶ Google Cloud Platform (GCP)
- ▶ HTML, CSS & JavaScript
- ▶ FastAPI
- ▶ PKI & Certificate Authorities
- ▶ ETL & Data Cleaning
- ▶ SQL — PostgreSQL & MySQL
- ▶ Celery
- ▶ Docker
- ▶ AWS (Basics)
- ▶ Team Leadership & Code Review

## LANGUAGES

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Punjabi — Native

Urdu — Native

English — Fluent