

Yahya Zakariyya

Full-Stack Software Engineer

Mansoorah, Lahore | +92 321 868 6750

m.yahya.zakariyya@outlook.com | [linkedin.com/in/yahya-backend-engineer](https://www.linkedin.com/in/yahya-backend-engineer) | github.com/YahyaZakariyya

Professional Summary

Passionate Backend Engineer with 2+ years of experience building scalable web applications and APIs using Python/Django. Skilled in clean architecture design, secure access control (RBAC/ABAC), and database optimization across PostgreSQL, MySQL, and MongoDB. Experienced in deploying production systems on AWS EC2 with Docker and writing maintainable, business-aligned code under Agile workflows.

Skills

- **Programming Languages:** Python, JavaScript
- **Backend Frameworks:** Django, Django REST Framework, Flask, FastAPI, Node.js
- **Frontend Frameworks:** React, Next.js
- **Databases:** PostgreSQL, MySQL, MongoDB, SQLite
- **DevOps & Cloud:** Docker, AWS (EC2, RDS, S3), Linux (Ubuntu), Bash
- **Version Control:** Git, GitHub, Gitlab
- **Methodologies & Practices:** REST API Design, Agile/Scrum, Unit Testing, Code Review, CI/CD, OpenAPI/Swagger Documentation
- **Tools & Environments:** VSCode, Claude Code, Cursor

Work Experience

Full Stack Software Engineer | Matab Health Care

January 2026 – July 2026 | Lahore, Pakistan (**Remote - Contract**)

- Built scalable Django/DRF backend powering clinic management and appointment workflows.
- Implemented real-time appointment scheduling with concurrency-safe booking logic, handling 50+ daily bookings without race conditions
- Designed RBAC & ABAC authorization layer separating permissions for admins, doctors, and clinic staff across 10 role types
- Provisioned AWS EC2 and deployed development environment with environment-based config management and automated deployment scripts

Python Developer | Scraperrs Lab

September 2025 – April 2026 | Lahore, Pakistan

- Developed and maintained RESTful APIs using Python (Django & DRF), shipping 100+ endpoints across multiple services
- Built and integrated a microservice-based architecture with internal API communication between 5 services
- Automated API documentation and schema generation via OpenAPI/Swagger, reducing onboarding time for new developers
- Created reusable mixins and components, reducing code duplication across microservices by ~80%
- Collaborated with the team to troubleshoot, optimize, and refactor existing APIs, improving average response time by 70%

Software Engineer | Radiant North Consulting

March 2025 – September 2025 | NewYork (**Remote - Contract**)

- Built the foundation of a React Native mobile app, including project setup, navigation, and reusable components used across 15+ screens

- Integrated Firebase (Authentication, Firestore) and Stripe for secure data storage and payment workflows
- Configured Salesforce Field Service custom objects, fields, and business logic to support mobile field-service workflows
- Implemented real-time data synchronization between Salesforce and Firestore using WebSockets, ensuring sync latency
- Participated in Agile sprints - sprint planning, code reviews, debugging, and Git/GitHub-based version control

Python Instructor & Mentor | Riphah School of Computing & Innovation

November 2023 – February 2025 | Lahore, Pakistan (**Part-time**)

- Delivered three standalone 3-credit courses: Programming Fundamentals, OOP, and DSA (Python).
- Led and mentored Python Special Interest Groups.
- Coached students on problem-solving in data structures and algorithms.
- Mentored students one-on-one, strengthening their programming foundations.

Projects

Full Stack Engineer | Quilix - SaaS Portfolio Builder (Personal Project)

April 2026 – May 2026 | Self-Employed | quilix.io

- Built a multi-tenant SaaS platform that publishes server-rendered portfolios at /username
- Developed a Django/DRF backend with a public read API and token-authenticated writes, fully documented via OpenAPI
- Shipped a themes system with free and premium templates and one-click theme switching across 5 templates
- Implemented SEO-friendly SSR with semantic HTML and mobile-first responsive layouts, achieving ~90 Lighthouse score

Python Django Developer | Outcome-Based Education LMS (Final Year Project)

March 2024 – February 2025 | Riphah International University | obe-automation.yahyacodes.site

- Built a Django LMS backend automating student result computation and academic workflows for 2500+ students and 300+ faculty
- Implemented RBAC & ABAC for fine-grained faculty and student authorization across 3 permission levels
- Optimized database queries and view logic, reducing report generation time by ~60%
- Streamlined grading and evaluation, reducing manual grading workload

Education

Bachelor of Science in Computer Science (BSCS)

Riphah International University | **Spring 2021 – Fall 2024**

Licenses & Certifications

Mastering REST APIs with FastAPI - Packt, December 2025

APIs - Meta, December 2025

React Basics - Meta, June 2025

Building Web Applications in Django - University of Michigan, October 2023