Muhammad Usman Bin Farid

SENIOR PYTHON DEVELOPER | BACKEND & API SPECIALIST

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Professional Summary

Experienced and performance-focused Senior Python Developer specializing in backend development using FastAPI and Flask. Proven track record in building scalable APIs, integrating complex systems, and delivering robust web applications. Skilled in system design, data handling, and clean code practices. Committed to writing maintainable code with a strong emphasis on performance, reliability, and clear documentation.

Experience

Single Solution | Software Engineer (Python/Rust)   **2022 - 2025**

- Developed and maintained robust backend services using **FastAPI** and **Flask** for various web applications.
- Built and documented RESTful APIs, focusing on security, performance, and scalability.
- Implemented user authentication, role-based access control, and data validation systems.
- Created structured backend logic for payment gateways, user management, and real-time data tracking.
- Migrated performance-critical Python modules to Rust, improving speed and efficiency by up to 40%.
- Collaborated with front-end and DevOps teams to ensure seamless integration and deployment.
- Delivered client solutions with high code clarity, test coverage, and maintainability.

Education

UET Lahore, BS Computer Science   **2021 - 2025**

Major: Software Engineering | Minor: Artificial Intelligence

Projects

RKE Companion   **Backend API Developer (Python, FastAPI)**

- Built backend services using FastAPI to support a platform for managing research grants and funding opportunities.
- Integrated external APIs (UKRI, Innovate UK) for real-time data access.
- Focused on clean API design, pagination, filtering, and role-based access.

Phoenix Trader Funding   **Web Backend for Financial Platform (Flask, Rust)**

- Developed backend logic in **Flask** for managing user accounts, funding milestones, and performance analytics.

- Implemented secure login, custom currency handling, and backend dashboards.
- Rust was used for selected performance-sensitive modules

Technical Skills

- **Languages:** Python, Rust
- **Frameworks:** FastAPI, Flask, Actix Web
- **Web Development:** RESTful APIs, Jinja2, HTML templating
- **Data Handling:** JSON, PostgreSQL, MySQL
- **Testing & QA:** Pytest, unit testing, test planning basics
- **Version Control:** Git, GitHub
- **Deployment & Tools:** Docker (basic), VPS, GitHub Actions
- **Security:** OAuth2, JWT, form validation, HTTPS

Soft Skills

- Problem Solving
- Communication & Collaboration
- Time Management
- Attention to Detail
- Adaptability
- Client Communication & Requirement Gathering

Languages

- **English:** Fluent
- **Urdu:** Native
- **Punjabi:** Conversational