

CONTACT



Bahria Town phase 3,
Rawalpindi, Pakistan, 46220



EDUCATION

2016- 2020

FOUNDATION UNIVERSITY

ISLAMABAD

Bachelors Of Science in
Computer Science

SKILLS

- Python
- Django
- FastAPI
- Django REST Framework (RESTful APIs)
- Django ORM, Django Templates
- Functional Programming concepts
- PostgreSQL
- Database Development & Administration
- Data Security, Backup & Recovery
- Celery (Background Tasks)
- Redis (Caching & Message Broker)
- Microsoft Azure
- Azure Kubernetes Service (AKS)
- Docker & Containerization
- Git (Source Control)
- HTML5
- CSS3, Bootstrap
- Agile / Scrum
- Team Collaboration
- Technical Reporting
- Communication & Presentation Skills

MUHAMMAD ABDULLAH

SOFTWARE ENGINEER (DJANGO | PYTHON | DRF)

PROFESSIONAL SUMMARY

Experienced Software Engineer specializing in Python and Django, with a strong focus on designing and developing scalable, secure RESTful APIs and data-driven web applications. Proven expertise in PostgreSQL database design, optimization, and data integrity. Highly skilled in implementing asynchronous background processing using Celery and Redis to improve performance, reliability, and fault tolerance while minimizing data loss. Strong understanding of business logic, system architecture, and clean code practices. Hands-on experience deploying and maintaining production systems on the cloud, primarily using Microsoft Azure, including AKS (Azure Kubernetes Service) for containerized, scalable deployments.

WORK EXPERIENCE

XIOTS - IOT EXPERT (Formerly Creative Khan) FEB - 2021 - PRESENT
Principal Software Engineer

- Designed and implemented multi-schema invoicing workflows to improve data accuracy and streamline billing processes across diverse client systems.
- Engineered adaptable invoicing schemas to support cross-platform integrations, reducing billing discrepancies and improving transactional accuracy.
- Automated invoice validation and compliance checks across multiple data formats, improving processing speed and ensuring adherence to financial regulations.
- Integrated secure payment workflows using Stripe, enabling scan-to-book taxi reservations, invoice generation, and real-time payment processing.
- Connected booking and payment systems with a dispatch platform via webhooks to track and update booking status in real time, improving operational visibility.
- Designed and developed a comprehensive restaurant management system, including inventory tracking, queue management, reservations, EPOS integration, waiter applications, and card payment processing, currently used by restaurants across the UK.
- Developed and maintained Django-based backend services for a call-logs wallboard, integrating with the Asterisk telephony system to process and display live call data.
- Optimized integrations between invoicing, payment, dispatch, restaurant, and external systems to enhance transaction throughput and overall system efficiency.
- Monitored application performance, reliability, and data consistency to minimize downtime, prevent data loss, and improve system stability.
- Collaborated with cross-functional teams to translate business requirements into scalable backend solutions.
- Utilized AI-assisted development tools and models (e.g., Cursor, Claude, Gemini, AG etc) to enhance code quality, refactoring, testing, documentation, and overall development efficiency, while maintaining clean, secure, and production-ready standards.

Khastech

2020 - 2021

Backend Developer (*Django*)

Developed a Django-based video conferencing management system for educational institutions, supporting role-based access control (administrators, faculty, students), session scheduling, and meeting management.

Openware Business Pakistan (OWB)

2019 - 2020

Internee (*Python/ Django*)

Contributed to the development of a computer vision-based application using Django.

Implemented backend logic, APIs, and data handling to support vision processing workflows.

- Collaborated with cross-functional teams to gather requirements, develop features, and follow software engineering best practices.