

# NASIR IQBAL

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## SUMMARY

Results-driven Python Backend Developer with 4+ years of experience designing and optimizing high-performance microservices. Adept in asynchronous programming, REST API development, and scalable cloud-native architectures using Flask, Django, Docker, and Kubernetes. Proven ability to reduce latency, increase system throughput, and streamline deployments. Also experienced in AI/ML model development and real-time web technologies with Node.js and WebSockets.

## CORE SKILLS

Languages & Frameworks	Python, Flask, Django, FastAPI, JavaScript, TypeScript, Node.js, Pytest, HTML/CSS
Architecture & Tools	Microservices, REST APIs, WebSockets, Docker, Kubernetes, Git, CI/CD, Jenkins
Cloud & DevOps	AWS, Google Cloud, Redis, NATS, Kafka
Databases	MySQL, PostgreSQL, MongoDB, BigQuery
Engineering Practices	Async Programming, Parallel Processing, API Design, Unit Testing, System Optimization
Methodologies	Agile/Scrum, TDD, Version Control, Continuous Integration
Soft Skills	Problem-Solving, Collaboration, Communication, Time Management, Critical Thinking

## PROFESSIONAL EXPERIENCE

<b>Python Backend Developer</b> Creed and Bear	July 2023 – Present <i>Dubai, UAE</i>
<ul style="list-style-type: none"><li>Designed distributed microservices for cryptocurrency platforms, reducing latency by 25% and increasing throughput by 18%.</li><li>Applied async programming and parallelism to optimize high-load endpoints, reducing DB response times by 10%.</li><li>Migrated databases to microservice-friendly schemas, maintaining 99.99% uptime across deployments.</li><li>Integrated Docker with CI/CD pipelines, reducing release time by 15% and rollback incidents by 20%.</li><li>Delivered 3 major features in collaboration with frontend and DevOps, contributing to 12% active user growth.</li></ul>	
<b>Python Backend Developer</b> PackageX	Jan 2022 – June 2023 <i>Islamabad, Pakistan</i>
<ul style="list-style-type: none"><li>Developed RESTful APIs processing 500K+ shipping labels daily with 92%+ accuracy using Flask and Django.</li><li>Enhanced courier label recognition from 84% to 88% via improved model inference and data handling.</li><li>Cut data migration time by 50% by introducing parallel processing in PostgreSQL-to-BigQuery pipelines.</li><li>Re-architected backend services into modular components, reducing system maintenance time by 30%.</li></ul>	
<b>Machine Learning Engineer (Freelance)</b> Fiverr	Jan 2021 – Jan 2022 <i>Islamabad, Pakistan</i>
<ul style="list-style-type: none"><li>Completed 30+ ML projects including NLP and CV, maintaining a 4.9/5 client rating.</li><li>Improved housing price prediction accuracy from 91% to 96% using advanced feature engineering.</li><li>Reduced sentiment classification error by 14% via transformer-based NLP modeling.</li></ul>	

## PROJECTS

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### Amaia App

Python, Flask, Docker, MySQL, MongoDB, Pytest

Cloud-native crypto trading platform using async microservices. Achieved 25% faster DB queries, supported 100K+ concurrent users, and incorporated CI/CD with Docker.

### Courier Label Recognition API BigQuery

Python, Flask, Django, PostgreSQL, MongoDB, OCR, Pytest,

Designed and developed REST APIs to extract shipping label data for 160+ global couriers. Improved OCR accuracy from 84% to 88% with preprocessing and pattern recognition. Accomplished 50% faster ETL from PostgreSQL to BigQuery via parallel processing. Contributed unit tests with Pytest and merged Docker into GitHub Actions CI/CD pipeline.

### Wise Translator

Python, Flask, NLP, PyTorch

Developed a neural machine translation app outperforming Google Translate by 3% in figurative language handling.

### Face Mask Detection System

Python, PyTorch, openCv, pandas

Attained 94% mask detection accuracy in real-time system using VGG19 and Haar Cascades.

## EDUCATION

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Bachelor of Science in Computer Science, FAST NUCES University

2017 – 2022

## CERTIFICATIONS & HONORS

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### Top Python Coder, HackerRank

Ranked 1st in Python algorithm challenges.

### Teaching Assistant, FAST NUCES

Awarded for excellence as TA in Advanced Programming.

### Table Tennis Champion, FAST NUCES

Winner of intra-university tournament.

## LANGUAGES

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English (Fluent), Urdu (Native), Pashto (Fluent)

## HOBBIES & INTERESTS

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**Hobbies** Coding, Blogging, Hiking, Table Tennis, Cricket

**Interests** Microservices, Backend Architecture, AI/ML, Distributed Systems, Real-time Apps