Muhammad ABDULLAH

BACKEND DEVELOPER

Web Developer with 4+ years of experience in backend development, API design, and cloud integration. Proficient in Python, Flask, Django, FastAPI, and REST APIs. Skilled in database optimization, DevOps, and cloud services (AWS, Azure, GCP). Strong problem-solving abilities and a proven track record of delivering scalable, high-performance solutions in collaborative team environments.

sipra58@gmail.com   +92 3137883995   [LinkedIn](#)   [GitHub](#)   [Portfolio](#)

EXPERIENCE

April 2024 - Current
Senior Software Engineer, *True Meridian Islamabad, Pakistan*

- Contribute to backend development with Django and FastAPI.
- Integrate Large Language Models (LLMs) into applications.
- Experience in designing and developing microservices architecture.

June 2023 - April 2024
Backend Lead, Codeaza *Technologies*

- Led a team of developers in delivering Python-based projects, ensuring timely and high-quality results.
- Managed task allocation, project planning, and execution, fostering a collaborative and innovative environment.

June 2022 - June 2023
Sr. Python Developer, *Codeaza Technologies*

- Developed Flask RESTful APIs and optimized database structures for performance and scalability.
- Deployed applications to cloud platforms (AWS, GCP, Heroku) and VPS services.

January 2022 - June 2022
Jr. Python Developer, *Codeaza Technologies*

- Built scalable and high-performance REST APIs and web applications.
- Gained expertise in Python programming and API design principles.

August 2020 - December 2021
Freelancing, *Fiverr/Upwork*

- Developed responsive websites and integrated cutting-edge technologies for diverse clients.
- Focused on clean code, user-centered design, and performance optimization.

EDUCATION

September 2017 - July 2021
Bachelor's, Computer Science, Bahria University, Islamabad

SKILLS

Python	Django	Flask
FastAPI	REST API	HTML
JavaScript	Git, GitHub	MySQL
PostgreSQL	NoSQL	Docker
DevOps	AWS	GCP
Azure DevOps	ELK	

SOFT SKILLS

Teamwork	Collaborative	Understanding
Research Abilities	Problem Solving	

PROJECTS

Instagram Comments Filtering (Final Year Project)
- Developed a Chrome extension to hide aggressive comments on Instagram in real time.
- Built a custom API using TensorFlow, NLTK, NLP, and Flask REST API for sentiment analysis.

Sentimantle (Sentiment Analysis REST API)
- Developed a Flask-based REST API for sentiment analysis with complex database queries.
- Implemented JWT authentication and features like file upload, file download, database views, and stored procedures.
- Created reports analyzing sentiment on different aspects of a location.

OCR AWS Lambda
- Built a serverless OCR solution using AWS Lambda, S3, Docker, and ECR.
- Extracted text from PDFs stored in S3 using a custom Docker container with OCR libraries.
- Automated workflow reduced manual intervention and processing time.

AWS Lambda REST API
- Developed a Flask-based REST API deployed using AWS Lambda and API Gateway.
- Integrated MySQL database with JWT authentication for secure user interactions.
- Leveraged serverless architecture for high scalability and efficiency.

Azure Functions REST API
- Designed a RESTful API using Flask and MySQL, integrated with Azure Functions.
- Enabled automatic scaling and event-driven execution for optimized performance.
- Demonstrated expertise in web development and cloud service integration.

Multi-Vendor Store API
- Developed a REST API with JWT authentication, invoice generation, image upload, and transaction management like Daraz.

WebSockets Implementation
- Built WebSocket connections to send periodic database updates and real-time notifications.
- Ensured optimal performance by canceling ongoing tasks before processing new requests.

Products Search Engine: Elastic Search

- Implemented real-time search functionality on large MySQL datasets using the EKL stack.
- Designed a Logstash pipeline to ingest and transform MySQL data for Elasticsearch indexing.

Snowflake Data Warehousing

- Worked on data warehousing solutions for fetching and updating large datasets.

Third-Party API Integrations

- Integrated OpenAI, ShotStack, and StoryBlocks APIs into backend systems.

CI/CD Pipeline (GitHub Actions + AWS EC2)

- Automated deployment pipeline using GitHub Actions for a Python application on AWS EC2.
- Configured SSH keys, environment setup, database integration, and Nginx reverse proxy.

LocalAI Chatbot API

- Developed a local LLM chatbot API using the LocalAI framework, compatible with OpenAI API specs.
- Enabled on-premises inference using a publicly available model from Hugging Face.

INTERESTS

E-Sports   Cricket   Table Tennis
Video Games

LANGUAGES

English   Urdu   Panjabi