

Muhammad Omer

Software Developer | Backend Developer | Technology Lead

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🔗 MuhammadOmer

PROFILE

Results-driven **Software Developer** with **4+ years** in **backend development**, specializing in **scalable applications**, **database optimization**, and **AI integration**. Adept at **leading projects**, **managing teams**, and **streamlining workflows**. Passionate about **innovation**, **collaboration**, and **continuous learning** to drive impactful solutions.

EDUCATION

NED University of Engineering & Technology,
Bachelors in Computer Engineering (CS)
Dec 2016 – Sep 2020 | Karachi, Pakistan
CGPA: 3.395/4

PROJECTS

Finance Intelligence App (FIA)

Led the project, automating financial calculations and reporting using **Power Platform**, **Python** and **Django**, creating dashboards for revenue and loss tracking.

Chatbot Development (CALA Bot)

Developed an AI-integrated chatbot leveraging **machine learning** and **Microsoft Copilot Studio** for improved user interaction.

OPEN EDX (MOOC PLATFORM)

Customized **core services (LMS, CMS, ecommerce, discussions)**, **automated multi-tenant site creation** using **Django** and **multi-threading**, and performed **migrations** to the latest **Open edX versions**.

Resume Screening System

Built an ATS-like **ML-powered system** for resume parsing and candidate screening, using **Laravel**, **MySQL**, and **OpenAI**.

Sketch Based Image Retrieval (Final Year Project)

Developed a **deep learning-based sketch-to-image retrieval system**, utilizing **feature extraction** and **CNNs** to map hand-drawn sketches to relevant natural images with high accuracy.

CERTIFICATES

- Web Developer Bootcamp
- JavaScript Essentials
- Python And Django Framework Complete
- Power Virtual agents with Azure OpenAI
- AWS Concepts
- Microsoft Azure

INTERESTS

Teaching | Coding | Photography | Software | Innovations | Social networking | Sports | Mobile Softwares

PROFESSIONAL EXPERIENCE

EduCLaaS, Senior Software Developer(Technology Lead)

Jul 2023 – present | Singapore

- Led **Python backend development** for a **tracking system** and **AI-driven chatbot** for enhanced user engagement.
- Developed a **centralized Contact Management System** integrating multiple data sources, improving accessibility by **35%**.
- Optimized database queries, reducing API response time by **40%**.

KNYSYS,LLC,

Associate Software Developer (Assistant Team Lead)

Oct 2022 – Jun 2023 | Karachi, Pakistan

- Spearheaded **LMS customizations**, improving UX and security for enterprise clients.
- Led multiple teams, managing tasks from estimation to deployment, ensuring **98% project completion rate**.

KNYSYS,LLC, Assistant Software Developer

Oct 2021 – Sep 2022 | Karachi, Pakistan

- Designed and integrated **secure payment gateways** into LMS, increasing transaction success rate by **25%**.
- Developed optimized **database schemas**, reducing query execution time by **30%**.

KNYSYS,LLC, Junior Software Developer

Dec 2020 – Sep 2021 | Karachi, Pakistan

- Developed **RESTful APIs** for web and mobile applications, enhancing **data flow efficiency by 50%**.
- Contributed to feature design, improving overall system scalability.

Stimulus Production, Assistant Software Developer

Jun 2020 – Aug 2020 | Karachi, Pakistan

- Designed frontend solutions, converting PSD designs into **responsive HTML/CSS layouts**.

ISR Software Services Private Limited, Internee

Aug 2019 – Sep 2019

- Designed and tested **user interfaces** while assisting in the implementation of customized software using modern development tools.

TECHNICAL SKILLS

CODING: Python | JavaScript | PHP | Bash Scripting

FRAMEWORKS: Django & DRF | OpenEdX | Flask | FastAPI | LangChain | OpenAI API (GPT, DALL·E)

DATABASES: MySQL | PostgreSQL, | MongoDB | CosmosDB | Redis

DEVOPS: AWS | Linux | Microsoft Azure | Docker | CI/CD

OTHERS: Logic Design | Problem Solving | Data Structures | Algorithm Analysis | Cronjobs | Troubleshoot | Software Methodology | Hubspot CRM | Project Management