

Muhammad Ghufran Khan

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PROFESSIONAL SUMMARY

Backend Developer with a year of hands-on experience building robust RESTful APIs, developing Dockerized backend solutions for scalability and implementing scheduled task automation. Skilled in third-party integrations and comfortable working within Linux environments to optimize system-level performance and deployments.

TECHNICAL SKILLS

Languages: Python, SQL (Postgres), JavaScript, HTML/CSS

Frameworks: Django, ReactJS, Node.js

Databases: PostgreSQL, MongoDB, Elasticsearch

Technologies & Tools: Git, Docker, Postman, VMWare vSphere, Logstash, Kibana, RabbitMQ, Redis, Celery, Kafka, Linux

EXPERIENCE

ThreatCure

Backend Developer

February 2025 – January 2026

- Worked on the development of the backend for an enterprise-grade local SIEM tool, deployed across well-known clients in the banking and finance sector
- Designed and implemented robust data parsing and processing pipelines for diverse structured and unstructured inputs.
- Analyzed Linux commands and directory structures to improve deployment stability, file management, and debugging workflows
- Containerized backend components using **Docker** to ensure modular deployments and environment consistency.
- Managed **Elasticsearch** pipelines and implemented index retention policies to optimize storage and query performance.
- Utilized **PostgreSQL** and **Redis** to schedule and keep track of scheduled tasks running
- Led and mentored a small team, improving code quality, optimizing workflows, and reducing bug rates.
- Collaborated with frontend teams through well-documented **REST APIs** and asynchronous data processing.

Backend Developer Intern

October 2024 – January 2025

- Developed and maintained **RESTful APIs** using **Django** to enable efficient data retrieval and seamless communication between frontend and backend services
- Leveraged the **MITRE ATT&CK** framework and **STIX** standard to map and correlate cyberkill chain attacks automatically
- Developed data ingestion and processing pipelines to support analytics and reporting tasks.
- Explored automation of rule testing workflows and studied the integration of **Celery** for background task execution, improving performance and reliability.
- Optimized queries and data structures for faster retrieval and efficient storage.

EDUCATION

Umaer Basha Institute of Technology - University Of Karachi

2022-2025

Bachelors Of Science In Software Engineering

Government College For Men Nazimabad

2019-2021

Intermediate in Computer Science

CERTIFICATIONS AND SPECIALIZATIONS

Meta Backend Development Specialization

- Developed a restaurant management system using **Django** and **MS SQL**, applying relational database design and CRUD operations
- Leveraged Django's **MVT architecture** to maintain separation of concerns and improve code scalability
- Implemented **role-based permissions** and authorization for users with different access levels
- Integrated **JWT authentication** for secure session handling and API access
- Explored front-end fundamentals with **HTML**, **CSS**, and **JavaScript** to enhance user interface components
- Utilized **Git** for version control to manage source code and enable efficient collaboration and rollback