SHARJEEL SOHAIL

Python Developer | Django | RESTful APIs | Microservices | Cloud Solutions | Team Collaboration

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SUMMARY

Experienced and innovative Backend Developer with 5 years of specialized expertise in Django. I am passionate about pushing the boundaries of technology and creating scalable, high-performance web applications. A collaborative team player, I thrive in cross-functional environments and excel at implementing RESTful APIs for seamless communication. My dedication to continuous learning ensures that I stay ahead of the curve, making me a valuable asset to any organization. Let's team up and bring your projects to new heights!

ACHIEVEMENTS

✔️ **Improved Reliability**
Increased system reliability by 30% using Celery and Redis for asynchronous processing.

✔️ **Enhanced Performance**
Reduced latency by 25% through optimized API integration and asynchronous processing.

✔️ **Team Leadership**
Mentored 2 interns contributing to 100% team participation in successful project deliveries.

✔️ **System Availability**
Increased uptime to 99.9% using Docker and Kubernetes for system deployments.

SKILLS

Python, Django, Redis, Kafka, Celery, REST, JWT Authentication, ORM, IOT Devices, Data Migrations, Microservices, Docker, Kubernetes, AWS, S3 Bucket, EC2 Instance, Unit Testing, Custom Middlewares, NoSQL, PostgreSQL, MongoDB, Azure Bastion, GIT, Debugging, Apache, Linux, Virtual Machines, Network configuration

EXPERIENCE

Python Developer
Merik Solutions (Client: Dunavant, Project: AT&T & DunTracking)
📅 06/2024 - Present   📍 Islamabad, Pakistan
Client based company

- Successfully developed and integrated APIs and web crawlers to fetch real-time shipment data from multiple cargo ports and logistics carriers.
- Improved data synchronization and availability for AT&T's shipment tracking system, enhancing operational efficiency and visibility.
- Delivered a scalable and high-performance data aggregation platform for DunTracking, enabling third-party clients to access reliable logistics data in real time.
- Implemented network controls and monitoring tools to ensure secure and efficient data transmission across distributed systems.
- Ensured seamless deployment and scalability using Docker and Kubernetes, leading to more efficient infrastructure management.
- Increased system reliability and reduced latency by implementing asynchronous task processing with Celery and Redis.
- Leveraged AWS for cloud hosting, ensuring high availability, fault tolerance, and cost efficiency of the deployed services.

EXPERIENCE

Software Engineer (Python)

HyperNym

📅 09/2022 - 06/2024　📍 Islamabad, Pakistan

IoT Based Company

- Integrated third-party APIs and services into microservices, enhancing functionality and improving the user experience.
- Developed Middlewares for authentication and authorization.
- Created RESTful APIs using Django Rest Framework (DRF), ensuring adherence to API design best practices.
- Collaborated closely with front-end developers to facilitate seamless communication and integration between web application front ends and back ends.
- Leveraged database technologies including PostgreSQL, MySQL, and MongoDB to efficiently store and manage data for microservices.
- Successfully collaborated with cross-functional teams, including product owners, designers, and testers, to consistently deliver high-quality products.
- Designed, developed, and maintained microservices using Django and Django Rest Framework.
- Implemented efficient and scalable inter-microservice communication through backend calls and Apache Kafka event calls.
- Monitored network performance and optimized bandwidth usage for IoT devices to ensure smooth operation.
- Delivered products for prominent clients, including **Vodafone Qatar and MTN Nigeria.**
- Mentored and trained two Python Internees, enabling them to work independently and contribute effectively to the team.

Back End Developer

Cyber Reconnaissance and Combat Center

📅 10/2021 - 07/2022　📍 Islamabad, Islāmābād, Pakistan

Cybersecurity and Cyber defense Solutions Company

- Worked on an impactful project during my academic journey called 'Vulnerable Machine Development for Cyber Drills. Created vulnerable web apps and introduced OS vulnerabilities to provide a safe training ground for future cybersecurity professionals. We also developed a user-friendly web app to manage this valuable learning environment.

Summer Internship

Cyber Reconnaissance and Combat Center

📅 01/2020 - 02/2021　📍 Islāmābād, Pakistan

Cybersecurity and Cyber defense Solutions Company

- Learned Multiple Techniques for Penetration testing for exploitation in order to create a sstronger defense mechanism for your web applications
- Used Multiple Tools like Burpsuite, Nessus, Metasploit and Nmap etc
- Worked on cyber attacks like SQL injecttion

PROJECTS

Dunavant Platform

📅 Present

- Designed and implemented a data aggregation system for Dunavant, fetching logistics and shipment data from various cargo ports and carriers using APIs and web crawlers. The platform acted as a broker, providing real-time information to third-party clients, improving transparency and operational efficiency in the logistics industry.

AT&T Shipment Tracking System

📅 Present

- Developed a real-time shipment tracking solution for AT&T, enabling users to track and manage the status of shipments across various stages. Integrated multiple data sources and optimized data synchronization to provide accurate, up-to-date shipment information, improving visibility and decision-making.
- Implemented network controls to secure data transmission between AT&T's systems and external logistics carriers.

Smart Building and Smart Surveillance

📅 03/2023 - 07/2023　📍 Hypernym

Smart Home Project

- Smart Building and Smart Surveillance is IOT based web and mobile application for managing buildings.
- Sensors are installed for Water Leakage, Fire Alarm, Humidity, Temperature, etc
- Users can create buildings, floors, spaces and install IOT devices, and can set alert configurations against devices.
- Through the installed sensors user will get real-time notifications.
- Created aand maintained multiple microservices using Apache Kafka.

PROJECTS

Smart Environment

📅 03/2023 - 04/2023   📍 Hypernym

Environment Monitoring

- Utilised Report and Analytic services for The Generation of Graphs and Cards of the Data The Graphs showed the Real time data Air Quality Index Graph and Stats of Temperature and Humidity.
- It showed the Data based on the Cities and Areas and their Average values.

Vodafone Lego

📅 07/2023 - Present   📍 Hypernym

Subscription Service for Vodafone

- This Project is based upon the Subscription services for Customers What Plan they want to buy for example Internation Minuts Roaming Keys and etcectra