NADEEM SHAH

Senior Software Engineer

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ABOUT ME

Nadeem Shah is a skilled software developer with expertise in backend and cloud solutions. He is a solution-oriented individual who enjoys tackling challenges. Proficient in Python, AWS, and JavaScript, He is experienced in test-driven development, building RESTful and GraphQL applications, and working with microservices. Additionally, he has hands-on knowledge of data engineering and data visualization in Python.

WORK EXPERIENCE

Senior Python Engineer | Verve

📅 Feb 2024 – Present   📍 England, United Kingdom · Remote

Currently working as a Senior Python Engineer in the backend team at Verve, a fintech company providing cashback solutions to customers.

- Developing and deploying scalable microservices using Django and FastAPI frameworks.
- Integrating with financial services such as Starling and Monzo Banks to handle seamless payment processing and transaction management.
- Managing affiliate marketing integrations with platforms like Awin and Impact for tracking and reporting.
- Implementing database partitioning strategies for PostgreSQL to optimize performance with large datasets.
- Designing and managing SQS queues and integrating Celery for task queuing to efficiently handle asynchronous tasks and improve system scalability.
- Utilizing Docker to containerize applications, ensuring smooth deployment across different environments.
- Actively collaborating on cloud-based solutions using AWS services for infrastructure management.

Senior Python Developer | Darvis, Inc.

📅 May 23 – Jan 24   📍 Islamabad, Pakistan

Currently working as a Sr.Python Developer in the backend team, contributing to cutting-edge AI solutions.

- Using Python, FastAPI, Docker, MongoDB, and PostgreSQL to create strong and scalable solutions.
- Maintain in g 75% of test coverage for code
- Managing the release train and deploying services in production.
- Proficiently writing SQL queries and MongoDB aggregation pipelines.
- Managing Redis streams to handle real-time streaming data to enhance system performance.
- Spearheading unit testing efforts to guarantee the reliability and robustness of developed applications.

Senior Python Developer (Tech Lead) | CareCloud, Inc.

📅 May 22 – Jun 23   📍 Islamabad, Pakistan

I served as a Senior Python Developer and led a team of 6 professionals in various development projects.

- Managed the development of an OCR-based Invoice scanning and automation application, overseeing its architecture, design, and deployment.
- Developed an Invoice automation system using Image Processing, OCR, Django, and AWS EC2.
- Conducted data analysis, including Retail data and revenue prediction using Time Series Forecasting.
- Contributed to CareCloud products including Talkehr, Insurance Cards OCR, Coding Bot, and Audit Bot.
- Enhanced Talkehr's search feature using Elasticsearch.

- Worked with the Google team on Vertex AI as part of the Google Healthcare Partner Program.

Python Developer (Part-time) | Comundo, Inc.

📅 Jun 22 – Mar 23   📍 Denmark, Remote

I played a pivotal role in architecting and developing backend solutions for the organization.
- Crafting GraphQL queries and RESTful APIs using Django, facilitating data interaction for the product.
- Focusing on daily scraping and aggregating CO2 data from different sources.
- Taking the lead in architecting the backend application in Django, ensuring its scalability and efficiency.
- Dockerized the application and implemented CI/CD for the development and deployment processes.

Python Developer | Mobylogix, Inc.

📅 Jan 22 – May 22   📍 Lahore, Pakistan

I worked as a Python Backend Developer, and my role and responsibilities included:
- Worked with Django, DRF, Flask, Celery and Celer Beat
- Created background and automation services in Python using Celery and Redis, Playwright and Scrapy
- Implemented schedulers to execute Python scripts, generating reports and sending email notifications.
- Implemented CI/CD pipelines for deployment and Implemented load balancing through Nginx.
- Monitoring services on Linux using tools including Elasticsearch, Kibana, and Heartbeat.

Software Engineer | Stech.AI Inc.

📅 Jan 19 – Jan 22   📍 Islamabad, Pakistan

I was responsible for working on a range of projects and developing web applications.
- Engaging with Python frameworks such as Django, FastApi, and Flask.
- Managing the deployment of Python applications on Linux servers, AWS, and Nginx.
- In charge of developing backend and frontend functionalities within the web app.
- Developing real-time business dashboards and reports to provide valuable insights.
- Effectively managing Postgres and MongoDB databases and reporting tools concurrently.
- Demonstrating adaptability by working both within team environments and independently.

EDUCATION

BSc, Computer Engineering | University of Engineering & Technology, Peshawar   CGPA: 3.70
- *Accredited with PEC & recognized under the Washington Accord.*
- ***Relevant Coursework:*** Data Analytics, Probability & Statistics, Computer Programming, Operating Systems, Database Management.

TECHNICAL SKILLS

- **Programming languages :** Python, JavaScript, C and CPP
- **Web Frameworks:** Django, FastApi, Flask, Laravel, and React
- **Databases:** Postgres, timescaledb, MongoDB, Redis
- **Automation and Background Tasks:** Playwright, Selenium, Celery, Celery Beat.
- **CI/CD and Containerization:** GitHub Actions, Docker, Elasticsearch, Kibana APM.
- **AWS:** AWS Lambda, AWS DynamoDB, AWS SES, AWS SNS, AWS EC2, AWS S3, AWS Glacier
- **Version Control:** Git, GitHub, Gitlab, Bitbucket.
- **Web Servers:** Nginx, Apache.