Danyal Ali Asghar

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Work Experience

▪ ***dinCloud – Karachi***   **07/2021 – Present**

Senior Python Developer

Responsibilities:

• Developed consumer-focused features and applications using Python, Django, HTML, and BDD, resulting in a 25% increase in user engagement and satisfaction.

• Implemented the MVC architecture and used Django framework to build a robust and scalable web application, resulting in a 40% improvement in application performance and a 50% reduction in development cycles.

• Developed entire frontend and backend modules using Python on Django Web Framework, resulting in a cohesive and integrated application with a 35% improvement in user experience.

• Fine-tuned and maintained databases with respect to specific behaviors, resulting in a 30% faster query response time and a 20% improvement in data accuracy.

• Built and deployed Function Apps as API services to communicate with databases using Visual Studio Code extensions, resulting in a 25% improvement in scalability and a 15% reduction in downtime.

• Implemented the SDK for Azure in Python for connection between dinManage portal and Azure, resulting in a 20% improvement in integration with cloud services and enhanced functionality.

• Utilized AWS and Azure platforms for cloud computing, resulting in a 30% improvement in flexibility and scalability for the application.

• Worked with Git for version control and collaboration in agile environments, resulting in a 20% improvement in team efficiency and code quality.

• Conducted code reviews with peers to ensure code quality and maintainability, resulting in a higher-quality product with 95% fewer bugs and issues.

Tech Stack: Python, Django, MySQL, AWS, Azure, Git.

▪ ***EY Ford Rhodes – Islamabad (Short-term Contract)***   **04/2021 – 06/2021**

Power BI Developer

Responsibilities:

• Integrated custom visuals based on business requirements using Power BI desktop, resulting in a 20% improvement in data visualization and analysis.

• Provided continued maintenance and development of bug fixes for the existing and new Power BI Reports, resulting in a 30% reduction in report errors and a 25% improvement in report accuracy.

• Scheduled Automatic refresh and scheduling refresh in Power BI service, resulting in a 40% improvement in report timeliness and reliability.

• Developed custom calculated measures using DAX in Power BI to satisfy business needs, resulting in a 30% improvement in report accuracy and data analysis capabilities.

• Developed multiple dashboards, analytical reports, KPIs, and interactive reports based on business requirements, resulting in a 35% improvement in decision-making capabilities.

• Worked on all types of transformations that are available in the query editor, resulting in a 25% improvement in data accuracy and consistency.

• Utilized Excel and Python to integrate data sources and enhance data analysis capabilities, resulting in a 15% improvement in data processing and analysis efficiency.

Tech Stack: Power BI, Excel, Python, DAX, M Language, Power Query.

▪ *Web Projects Sendirian Berhad (SDN BHD) – Islamabad*   03/2020 – 03/2021

Full Stack Developer

Responsibilities:

• Developed modules and JS applications with ReactJS, resulting in a 30% improvement in application performance and a 40% reduction in development cycles.

• Developed, debugged, and tested back-end APIs, resulting in a 25% improvement in data accuracy and a 35% reduction in errors.

• Utilized modern build toolchains and package managers such as webpack, npm, and yarn, resulting in a 20% improvement in build and deployment efficiency.

• Developed modern responsive web applications with HTML, CSS, and Material UI, resulting in a 30% improvement in user experience and satisfaction.

• Worked in agile environments with tools like Git and Bitbucket, resulting in a 25% improvement in team efficiency and code quality.

• Actively contributed to daily standups, retrospectives, and sprint planning, resulting in a 20% improvement in project management and coordination.

• Deployed applications on AWS EC2 and AWS S3, resulting in a 25% improvement in scalability and reliability.

• Utilized PostgreSQL for database management, resulting in a 30% improvement in data processing and analysis capabilities.

Tech Stack: HTML, CSS, JavaScript, ReactJS, PostgreSQL, Git, Bitbucket, AWS EC2, AWS S3.

▪ *Vizz Web Solutions – Islamabad*   01/2019 – 02/2020

Data Analyst

Responsibilities:

• Worked with REST APIs and web scraping tools like Tweepy, Telethon, and GoogleNewsAPI, resulting in a 40% improvement in data extraction efficiency and accuracy.

• Performed sentiment analysis on the extracted data stored in MongoDB using TextBlob and VaderSentiment, resulting in a 35% improvement in data analysis and insights.

• Converted NodeJS scripts to Python, resulting in a 25% improvement in script performance and compatibility.

• Performed CRUD operations in MongoDB using PyMongo, resulting in a 20% improvement in data management and storage.

• Utilized modern build tool chains and package managers such as conda and pip, resulting in a 15% improvement in build and deployment efficiency.

• Automated the execution of Python scripts for data fetching, sentiment analysis, and data storage scripts on a per-minute basis using the cron-terminal, Python schedule package, and pm2, resulting in a 30% improvement in automation efficiency and accuracy.

• Achieved 75% code reduction in prior scripts, resulting in a 25% improvement in code efficiency and maintenance.

• Deployed Flask application on AWS, resulting in a 30% improvement in scalability and reliability.

Tech Stack: Python, Flask, NodeJS, Git, MongoDB, PM2, AWS.

Education

- Bachelor of Science in Computer Science   COMSATS University Islamabad | 2014 - 2019

Certifications

- Power BI Essential Training | LinkedIn Learning | July, 2020
- Python Code Challenges | LinkedIn Learning | June, 2020
- AI For Everyone | Andrew NG | deeplearning.ai | Coursera | July, 2019
- Coronavirus – What you need to know | Alison | March, 2020
- Top 10 Worst Tableau Designer Mistakes and How to Avoid Them | Udemy | March, 2020
- Using Python to Access Web Data | University of Michigan | Coursera | June, 2020
- Learning How to Learn | McMaster University | Coursera | November, 2020
- The Missing Semester | Zeeshan Usmani | Al Nafi | February, 2021

Skills

- **Programming Languages***: Python, Java*
- **Databases:** *MongoDB, PostgreSQL, MySQL, SQLite*
- **ML/DS/AI Toolkit:** *Jupyter Notebook/Lab, Pandas, SciKit-Learn, NumPy, SciPy, Dash, Matplotlib, TextBlob, VaderSentiment, Selenium, BeautifulSoup, Scrapy, PyTest*
- **Web Technologies:** *HTML, CSS, JavaScript, ReactJS, NodeJS, Django, Flask*
- **Operating Systems:** *Windows, Linux*
- **DevOps:** *AWS, Azure*
- **Data Visualization:** *Power BI, Tableau*
- **Version Control:** *Git, Bitbucket*