HASSAN SHAHZAD

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Objective

Enthusiastic and results-driven software engineer with hands-on experience in Python, React, Next, API development, and system design. Passionate about writing clean, maintainable, and scalable code. Seeking a hybrid/remote software engineering role where I can leverage my technical expertise, collaborative skills, and problem-solving abilities to deliver high-quality software solutions.

Key Skills

- **Programming Languages**: JavaScript, Python, SQL
- **Technologies**: Git, GitHub, RESTful services, React, Next, Fast-Api, Node js, Django Rest
- **Database Management**: PostgreSQL, MongoDB
- **Software Development**: API Design, Concurrency, Data Integrity
- **Tools**: Docker files, Rate Limiting Techniques, Postman, Azure Dashboard
- **Software Practices**: Code Reviews, Documentation, Clean Code, Scalable Software Design
- **Soft Skills**: Collaboration, Problem Solving, Quick Learner, Independent Work, Effective Communication

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Professional Experience

Software Engineer
Xeven Solution | Onsite
May 2025 – Present

- Assisted in the design and development of scalable software solutions, focusing on creating user-friendly and efficient applications.
- Worked closely with team members to implement features and enhancements using Python.

- Engaged in peer code reviews, ensuring adherence to best practices and promoting continuous learning.
- Gained proficiency in managing production environments, understanding the impact of changes, and ensuring minimal disruption to end users.
- Also work on LLM training with multiple AI projects

Software Engineer

Netsol Technologies | Hybrid June 2023 – April2025

- Collaborated with cross-functional teams to gather and analyze customer requirements, translating them into functional and efficient software solutions.
- Developed and maintained software applications using Python and ReactJs, focusing on scalability and high performance.
- Designed and developed RESTful APIs, ensuring clear documentation and ease of use.
- Clean, efficient, and maintainable code while adhering to best practices.
- Supported troubleshooting and debugging of production issues, ensuring minimal downtime and rapid resolution.
- Contributed to code reviews and provided feedback to team members to improve code quality and performance.
- Maintained and optimized PostgreSQL databases, handling large datasets and ensuring data integrity under concurrent conditions.

Associate Software Engineer

BizClan | Remote

March 2023 – June 2023

● Assisted in the design and development of scalable software solutions, focusing on creating user-friendly and efficient applications.

● Worked closely with team members to implement features and enhancements using React.

● Engaged in peer code reviews, ensuring adherence to best practices and promoting continuous learning

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Education

Bachelor of Science in Computer Science   **3.14 CGPA**
COMSATS University, Lahore | 2023

Certifications

- **Python Language Certification** – [W3Schools], [2022]

- **Modern React with Redux** – Udemy, 2022

Projects

BMW Customer | Dealer Portal Application (https://www.appexnow.com)
Role: Software Developer

- Developed and maintained a high-performance **RESTful API** service for the BMW Customer and Dealer Portal, enabling seamless car leasing, financing, and accessory purchases for users.

- Designed and implemented key backend functionalities using **Python**, ensuring efficient data processing, high scalability, and optimal performance for a large number of concurrent users.

- Built and integrated secure authentication and authorization systems, ensuring that both customers and dealers had role-based access to portal features and data.

- Developed APIs for key features such as vehicle search, lease and finance calculators, order management, and inventory tracking.

- Worked with **PostgreSQL databases** to design and optimize complex queries, ensuring quick data retrieval and storage of customer transactions, vehicle data, and accessory inventories.

- Utilized **Docker** for containerization of services, ensuring consistent and reliable deployments across development, testing, and production environments.

- Collaborated with frontend developers to integrate RESTful APIs with the **React.js** frontend, ensuring a smooth, dynamic, and responsive user experience across all devices.

- Implemented payment gateway integration for seamless financing and leasing transactions, supporting multiple payment methods and ensuring secure transactions.

- Conducted **unit testing** and **integration testing** for APIs, utilizing testing frameworks to ensure robust and bug-free code before deployment.

- Participated in **code reviews** with team members to ensure adherence to best practices, promote knowledge sharing, and maintain high code quality.

- Worked closely with cross-functional teams, including business analysts, designers, and project managers, to understand customer needs and translate them into functional and scalable software solutions.

Project Name
Role: Developer

- Designed and implemented a database architecture for a Financial Credit Card product named 'Plastk', utilizing PostgreSQL to manage large datasets efficiently.

- Played a pivotal role in **debugging** and **troubleshooting** production issues, ensuring high availability and performance of the portal at all times.

- Kept up-to-date with the latest trends in **software development** and applied emerging technologies and best practices to continuously improve the application's functionality and performance.

Technical Qualifications

- **Proficient in Python**: Strong experience writing efficient and maintainable code.
- **API Design**: Expertise in designing and developing RESTful APIs
- **PostgreSQL**: Skilled in managing and optimizing databases, including large datasets and ensuring data integrity.
- **Docker**: Familiar with creating and maintaining Docker files for containerization and deployment of applications.

Soft Skills

- **Collaboration**: Works effectively with cross-functional teams, ensuring alignment with project goals.
- **Problem Solving**: Able to troubleshoot complex issues and implement innovative solutions under pressure.

- **Adaptability**: Quick to learn new technologies and tools, staying up-to-date with industry trends.
- **Independence**: Comfortable working autonomously while ensuring high standards of work quality.