Fahad Rashid

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EXPERIENCE

Full Stack Engineer Freelance
Upwork   **October 2021 - Present**

· Designed and developed user-friendly applications that integrate dynamic frontends using React with robust backends in Django, ensuring scalability and reliability through AWS deployment.
· Developed interactive dashboards for data visualization and decision-making, allowing users to filter and analyze real-time data seamlessly, enhancing operational insights.
· Enhanced data retrieval speed and reduced system response times by optimizing database queries, implementing indexing strategies, and employing advanced database management practices.
· Implemented payment systems like Stripe and PayPal to ensure secure, smooth, and reliable transactions across e-commerce platforms and reservation systems.
· Engineered RESTful APIs to enable efficient communication between frontend and backend systems, ensuring real-time data synchronization and integration with third-party services.

Backend Developer
Blue Logic Digital   **May 2023 - April 2024, Dubai, UAE**

· Developed backend solutions for various web applications, including pet insurance, Sony Rewards, and medical insurance portals, focusing on user authentication, profile management, and data processing.
· Integrated complex functionalities such as Single Sign-On (SSO), insurance quotation calculation algorithms, and payment processing systems to enhance user experience and streamline workflows across different projects.
· Engineered and optimized MySQL databases, achieving a 20% improvement in query performance over a 6-month period by leveraging indexing, normalization techniques, and utilization of advanced query optimization tools.
· Proficient in designing and developing robust API Development to facilitate seamless communication between diverse systems and enhance overall application functionality.

Software Engineer
Virtual Force Inc.   **August 2021 - December 2022, Lahore, Pakistan**

· Integrated advanced features such as quizzes and interactive functionalities into the platform, enriching the user experience and providing additional avenues for student learning and participation.
· Developed messaging system using channels, allowing students, mentors, and entrepreneurs to communicate instantly within the platform.
· Developed and implemented an advanced caching mechanism that improved application load time by 35% using Redis, reducing server response time to under 200ms, and enhancing user experience for over 1 million daily active users.

Software Engineer
Codility Solutions   **November 2019 - August 2021, Lahore, Pakistan**

· Developed a modular software solution that streamlined processes, utilizing Python, Django, and RESTful APIs.
· Developed efficient algorithms leveraging data structures to optimize query performance, reducing average run-time over a span of 6months using Python and SQL.
· Developed and deployed scalable microservices architecture, reducing system downtime by 30% and improving application responsiveness, utilizing Docker, and AWS cloud infrastructure.

EDUCATION

Bachelor of Science in Computer Science
University of Management and Technology · 2019 · 3.69

SKILLS

Frontend: NextJS, ReactJS
Backend: Django, Flask, Django Rest Framework
Languages: Python, TypeScript, JavaScript
Databases: PostgreSQL, MySQL
Other: Docker, AWS, Git