



Hafiz Muhammad Usman

Senior Full Stack Developer | MERN Stack Developer

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- Accomplished Full Stack Developer with over five years of experience in designing, developing, and deploying innovative software solutions, specializing in frontend and backend technologies such as React.js, Node.js, GraphQL, and SQL databases.
- Proven expertise in leading cross-functional teams, optimizing system performance, and implementing scalable solutions, including microservices and serverless architectures.
- Hands-on experience with blockchain integrations, decentralized web applications, and designing secure, efficient systems using industry best practices.
- Strong ability to foster collaboration between stakeholders and development teams to align project goals with technical requirements, ensuring timely delivery of optimal software solutions.
- Committed to continuous learning and staying updated with emerging technologies and trends, bringing innovation to every project and thriving in dynamic and challenging environments.

SKILLS

- Programming Languages: JavaScript, TypeScript, Python, C++, SQL
- Frontend Development: React.js, Next.js, Angular, Storybook, HTML5, CSS3, JavaScript
- Backend Development: Node.js, Express.js, Nest.js
- Database Management: PostgreSQL, MongoDB, DynamoDB, MySQL
- Blockchain & Web3: Ethereum, Ether.js, Smart Contracts, Web3.js
- Cloud & DevOps: AWS, Docker, Kubernetes, Serverless (AWS SAM), CI/CD (Jenkins, GitHub Actions, CircleCI)
- API Architecture: RESTful APIs, GraphQL, Apollo Server, WebSockets
- Version Control: Git, GitHub, Bitbucket
- Tools & Technologies: MERN Stack, JAMStack, Redis, Kafka, Terraform, Nginx, Heroku, DigitalOcean, Netlify, Google Cloud, T3 Stack, TRPCs
- Security: OAuth, JWT, HTTPS, Encryption protocols, Secure authentication
- Testing & Quality Assurance: Jest, Mocha, Unit Testing, Integration Testing, Test-Driven Development (TDD)
- Development Methodologies: Agile, Scrum, Microservices, Monolithic, Distributed Systems
- Performance Optimization: Code Refactoring, Load Testing, Caching Strategies, Profiling, Application Tuning

EXPERIENCE

Renesis Tech, Lahore

April 2023 - Present

Senior Full Stack Developer

As a Senior Full Stack Developer at Renesis Tech, Lahore, from April 2023 to Present, I have been responsible for a variety of tasks.

- I led the design and architecture of scalable systems, both monolithic and microservices-based, which resulted in high performance and reliability.
- I developed and deployed decentralized web applications tailored to Ethereum-compatible blockchains, which drove innovation in blockchain-based solutions.
- I architected and implemented serverless applications using AWS infrastructure, which optimized resource management and reduced operational overhead.
- I conducted detailed database design and modeling for enterprise-level applications, ensuring data integrity and efficiency.
- I spearheaded comprehensive code reviews and mentored team members, ensuring adherence to best practices and high-quality coding standards.
- I managed team workflows effectively, balancing workload and maintaining productivity while ensuring code quality.
- I provided ongoing post-production support, troubleshooting issues and implementing performance enhancements to ensure seamless user experience.
- I optimized development workflows using continuous integration and deployment (CI/CD), reducing deployment time and enhancing team efficiency.
- I actively contributed to technical training and knowledge sharing, keeping the team updated on emerging technologies and

industry trends.

- I implemented agile development practices, ensuring rapid iteration, quick MVP delivery, and seamless integration of customer feedback.
- I collaborated with cross-functional teams to align technical solutions with business requirements, ensuring the timely delivery of high-quality software.

OptimusFox, Lahore

July 2021 - July 2023

Full Stack Engineer

- Tasked with developing dynamic and responsive front-end interfaces, I utilized React.js and Next.js to enhance user experiences with modern UI designs and interactive features.
- Integrated state management solutions with Apollo Client and Redux, which ensured smooth data flow and optimized performance across applications.
- Constructed robust backend APIs using Node.js and Nest.js, which ensured system scalability, efficiency, and security.
- Designed and implemented GraphQL services with Node.js, providing flexible and efficient data queries for both web and mobile applications.
- Engineered a crowdfunding platform, integrating equity funding options and cryptocurrency payments, leveraging React.js, Node.js, and Ethereum technologies.
- Optimized backend systems, improving API response times and overall application performance through code refactoring and best practices.
- Integrated and configured payment gateways (Stripe, PayPal) to facilitate secure and seamless transactions for users.
- Led database design and management, using MongoDB and PostgreSQL to store and retrieve data efficiently while ensuring consistency.
- Established CI/CD pipelines to automate deployment processes, improving operational efficiency and reducing human errors.
- Managed server infrastructure and deployments across cloud platforms such as DigitalOcean, AWS, and Google Cloud, ensuring high availability and scalability.
- Implemented Redis caching mechanisms to enhance backend performance, reducing server load and improving response times.
- Developed and deployed microservices-based applications, utilizing Kubernetes for container orchestration and efficient resource management.

Jobesk, Lahore

March 2020 - May 2021

MERN stack developer

- Tasked with developing and maintaining backend solutions for RESTful APIs, WebSocket communication, and GraphQL architecture, I ensured efficient and scalable data exchange.
- Created frontend interfaces using React.js and TypeScript, adhering to component-driven development principles with Storybook, which resulted in modularity and reusability of UI components.
- Developed and implemented interactive Quiz applications with React.js, which enhanced frontend performance and delivered engaging user experiences.
- Designed and developed a full-stack e-commerce website using the MERN stack (MongoDB, Express.js, React.js, Node.js), which provided seamless online shopping experiences for customers.
- Wrote comprehensive unit and integration test cases using Jest, ensuring the reliability and robustness of application code.
- Integrated third-party APIs for payment processing and other business functionalities, which streamlined e-commerce operations and improved user interactions.
- Led database design and management, ensuring optimal performance and security using MongoDB and integrating it with the backend for efficient data storage and retrieval.
- Collaborated closely with cross-functional teams, ensuring smooth development processes and alignment with business objectives.
- Optimized frontend and backend performance, reducing loading times and improving system responsiveness through various performance tuning techniques.

EDUCATION

University of Engineering and Technology Lahore

January 2016 - December 2020

Graduated, Engineering

RECOMMENDATIONS

Ali Wisam

It is my pleasure to recommend Hafiz Muhammad Usman for their exceptional work as a senior Full stack developer. During our two-year tenure together on a blockchain project at OptimusFox, Usman demonstrated a remarkable proficiency in JavaScript,

React, Node.js and DevOps. They consistently contributed innovative ideas and effectively collaborated with colleagues to solve complex challenges. Usman was always focused, positive, and professional, consistently meeting deadlines under pressure. Their valuable contributions and dedication made them a crucial member of our team. I highly recommend Usman for any future Full stack developer positions.

Muhammad Usman Sadullah

I had the pleasure of working with Hafiz Muhammad Usman on several projects, and he consistently impressed me with his deep expertise in the MERN stack. He delivers clean, efficient code and provides innovative solutions to complex problems. Hafiz is also a great team player, always willing to collaborate and help others. I highly recommend him for any full stack development role.

Noor ul huda Sadaqat

I had the pleasure of working under the Leadership of Muhammad Usman on multiple MERN stack and Web 3 projects. Throughout every project phase, he proved to be exceptionally supportive and solution-oriented, bringing practical solutions and a calm, professional approach no matter the issue. He is one of those rare people who genuinely supports the team and is eager to help everyone succeed. I can say with confidence that he would be an amazing addition to any team!"

PROJECTS

Depicted 3D

<https://depicted.ai/>

Explore Depicted 3D, a cutting-edge platform offering blockchain-minted 3D models and a dynamic marketplace for real assets and products. As part of the development team, I contributed to creating a secure, innovative, and versatile platform that combines the latest blockchain technology with interactive 3D model experiences for real-world applications.

Hutfin

<https://www.hutfin.com/>

Developed a real estate application as part of a microservices architecture, using Node.js, AWS, Docker, Kubernetes, and React.js. The platform offered efficient property management features and streamlined user interaction. My role was focused on backend development, optimizing system scalability, and implementing microservices.

Larts

<https://larts.net/>

Larts is an NFT marketplace platform where I worked as a Full-Stack Developer. My responsibilities included implementing decentralized functionalities, using AWS, Docker, Node.js, and React.js to build scalable microservices and enhance user experience. The platform features customizable NFT items and integrates with blockchain technologies.

Neo Garden

<https://www.neogarden.com/>

As a Full-Stack Developer, I contributed to the development of Neo Garden, an NFT marketplace platform. The project involved cutting-edge technologies such as Node.js, TypeScript, Blockchain, and Next.js. My work played a pivotal role in helping generate a \$5.7 million revenue increase by integrating blockchain features and optimizing the platform's performance.

Crunch Spark

<https://d33m5ucbrsber4.cloudfront.net/>

Crunch Spark is an NFT portfolio tool developed using a serverless architecture on AWS, leveraging the SAM (Serverless Application Model) framework. The platform allows users to retrieve wallet assets and track the worth of NFTs, displaying additional details such as transaction volume, historical data, and price trends. As a Full-Stack Developer, I contributed to building the serverless backend, optimizing the retrieval of NFT data, and ensuring the system's scalability and reliability. The project leverages AWS Lambda, API Gateway, and DynamoDB to provide a seamless and efficient user experience for managing and evaluating NFT collections.

Crowdfunding

I developed a crowdfunding platform with equity funding options and cryptocurrency payment integration using React.js, Zustand, TypeScript, Node.js, and Ether.js. The platform allows backers to invest in projects using cryptocurrency, making it secure and innovative. I handled the complete development, including integrating Ethereum for payment processing.

Gladiator Finance

Gladiator Finance is a 3D NFT marketplace where users can customize gladiators and engage in battles. As a Full-Stack Developer, I worked with React.js, TypeScript, Three.js, Node.js, Web3, and Binance Smart Chain (BSC) to build the platform. The project integrates blockchain technology to enable secure transactions and unique 3D experiences.

Dinisium

Worked on the asset management ecosystem at Dinisium, focusing on building the platform using Nest.js, React.js, and PostgreSQL. The project aims to provide an efficient and secure way for users to manage their assets while utilizing modern technologies for high performance and scalability.

Looksees

Developed the backend and admin portal for a dating mobile app using Node.js, React.js, GraphQL, MongoDB, REST APIs, and WebSockets. My role involved building a robust backend system to handle real-time messaging and profile management, ensuring scalability and a smooth user experience.