MUHAMMAD HAMZA

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INTRODUCTION

I'm a Full Stack Developer with a strong foundation in building scalable, customer-focused web applications using front-end technologies like React JS, Next JS 13^, alongside back-end expertise in Node JS and PHP.

- Proven ability to design and implement **scalable**, high-performance web applications that handle increasing traffic and user demands.
- Experienced in creating **client-focused**, responsive front-end interfaces using React, Next JS 13^, ensuring a seamless user experience across devices.
- Strong back-end development skills with deep knowledge of Node JS & PHP, enabling **smooth integration** of front-end and back-end components.
- Skilled in leveraging **AWS EC2, ASG, TGs** for building cloud-native applications with high reliability and zero downtime.
- Expertise in **real-time data optimization** using Web Sockets, enhancing engagement.
- Committed to clean, maintainable code practices, able to **understand and improve legacy code** without impacting existing functionality.
- Capable of managing **multiple projects simultaneously**, prioritizing effectively, and ensuring high standards across all deliverables.
- Collaborative team player, eager to **contribute to cross-functional teams**, share knowledge, and support team success.

WORK HISTORY

FULL STACK DEVELOPER – MERLIN CYCLES UK   NOV 2024 TO PRESENT

- Enhanced the company dashboard, providing deeper insights and advanced analytics from the database to support data-driven decision-making and increased profitability.

- Migrated legacy server infrastructure to scalable infrastructure providers, implementing auto-scaling for improved reliability and cost-effectiveness.

- Developed custom dashboard controls enabling the team to manage services directly from their panels, eliminating dependency on the third-party console.

- Streamlined server operations and ensured a seamless transition to the new cloud infrastructure while maintaining zero downtime.

- Designed and implemented PHP scripts to efficiently extract and analyze critical information from server logs, enhancing troubleshooting and system monitoring.

FULL STACK DEVELOPER – TECHVENTION   NOV 2022 TO SEP 2024

- Spearheaded the development of enterprise web applications, resulting in increased business growth by streamlining operational efficiency.
- Led the design and implementation of micro-services architecture, boosting system scalability.
- Developed responsive, high-performance UIs using React JS, Next JS, improving user engagement and accessibility across all device types.

- Developed and optimized CI/CD pipelines, achieving a 50% reduction in deployment times, accelerating feature releases, and minimizing downtime.
- Implemented Redis caching solutions, decreasing database load by 30% and significantly improving response times.
- Led the design and development of secure APIs for seamless third-party integrations, reinforcing both data security and operational fluidity.

FRONT-END DEVELOPER – FOURMATICS   JUL 2020 TO OCT 2022

- Spearheaded the development of enterprise web applications, resulting in increased business growth by streamlining operational efficiency.
- Led the design and implementation of a micro-services architecture, boosting system scalability.
- Developed responsive web applications using React.js and Next.js, focusing on robust authentication workflows via Next Auth, improving cross-device engagement.
- Leveraged Docker for containerization, ensuring consistent development environments and smoother deployment time.
- Optimized front-end performance by reducing load times and integrating advanced caching strategies, enhancing API security and reducing vulnerabilities.

SKILLS

- **Programing Languages:** JavaScript, Typescript, and PHP.
- **Front-end:** HTML5, CSS3, React JS, Next JS, Redux, SCSS, Tailwind CSS and WordPress.
- **Back-end:** Node.js, PHP, Express.js, Web Sockets, GraphQL, Prisma.
- **Databases:** MongoDB, MySQL, PostgreSQL, Flux DB and Redis.
- **Cloud & DevOps:** Docker, Kubernetes, Kafka, AWS EC2 & Lambda, cPanel Deployment and Serverless Fns.
- **Tools & Software:** Git/GitHub, Visual Studio Code, Adobe Photoshop, Jira and Slack

EDUCATION

Bachelor of Computer Science   University of Lahore, Pakistan   2018 -2022
Graduated with 3.54 GPA (**Bronze Medallist**)

HIGHLIGHT LAST PROJECTS DELIVERED

- **Iru Travel:** I was tasked with improving the efficiency of a travel booking platform that faced delays during peak traffic. To solve this, I optimized the search and booking algorithms using Algolia search, enhancing frontend in Next JS and backend processes in Node JS to ensure high performance under heavy loads. As a result, the platform achieved zero delays and significantly improving user experience.
- **Odin:** I was responsible for creating a dynamic learning management system with real-time interaction capabilities, aimed at meeting tight client deadlines in Node JS. I designed and implemented live chat management features using sockets, which consistently met high client expectations.
- **FIFA INTERCONTINENTAL CUP:** I was responsible for creating cutting edge dynamic frontend design in such a way that marketers or designers can design the website according to them self-using CMS only without direct interaction with the code.