Muhammad Sarim
Lead Software Engineer

Hello, I'm Sarim, a Software Engineer with over 6 years of extensive experience. As a dedicated and skilled lead full-stack developer, my primary goal is to deliver bug-free applications and ensure user satisfaction. With my expertise and commitment to quality, I strive to contribute to innovative and efficient solutions that meet the needs of both clients and end-users.

Contact

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+92 3106727874

Portfolio
Visit

LinkedIn
Visit

Education

2020
BS in Software Engineering

2021
Google Certification in MYSQL

2021
Certified from AWS & Cisco

Expertise

- Amazon AWS
- AWS S3
- AWS EC2
- Azure
- Docker
- Kubernetes
- GitLab
- Ngnix
- Team Lead
- Work Management
- Maintenance
- Management
- Linux & CI/CD Pipelines
- NPM Packages Control
- Git Version control
- Server Management
- Technical Support

Experience

September 2023 – Current
Byte Legion
Team Lead & Senior Full Stack Developer

Development Team Lead (SaaS and Device Management Applications)

- Led a team of developers in the design and development of full-stack SaaS (Software as a Service) and device management applications.
- Integrate Salt and tactical to optimize application performance and maintainability in device management and device remote access.

Kubernetes and Docker Deployment Specialist (CI/CD Pipelines with GitLab)

- Proficiently created Kubernetes clusters and Docker containers for application deployment, ensuring scalability and portability.
- Established efficient CI/CD pipelines using GitLab, automating the build, test, and deployment processes, resulting in faster and more reliable software releases.

Secure API Development (Odoo and Node.js)

- Designed and implemented highly secure APIs using Odoo, a robust open-source ERP platform, ensuring data integrity and authentication.
- Adapted and enhanced APIs using Node.js to accommodate evolving business requirements, facilitating seamless integration with various systems and services.

June 2021 – August 2023
Codesix
Full Stack Developer

Email Server Management System with Node.js & React.js:

- Developed a scalable email server management system using Node.js and RabbitMQ, with a frontend built using React.js, Material-UI, and Formik for enhanced user interface and form handling. React Proxy was used to handle backend API calls efficiently.
- Implemented server-side rendering (SSR) with frameworks like Next.js to improve initial load times and SEO performance, providing a smooth user experience.
- Implemented features for managing email accounts, sending and receiving emails, and handling email queues.
- Integrated OAuth2 authentication for secure access to the system.
- Utilized Docker for containerization and CI/CD pipelines for debugging & automated deployment.

Streaming Application with Rabbitmq & React.js:

- Built a high-performance streaming application using Node.js and Erlang OTP
- Implemented real-time data streaming functionality using RabbitMQ message broker.
- Designed and developed algorithms for duplicate image-checking to ensure content uniqueness.

- Implemented user authentication protocols, including OAuth2 and token passing, within the React.js frontend to secure the streaming service and provide better web service. React Router v6 facilitated smooth navigation between different streaming features.
- Employed React Context API for handling application-wide state, simplifying the sharing of data between components and reducing prop drilling.
- Implemented server-side rendering (SSR) with frameworks like Next.js to improve initial load times and SEO performance, providing a smooth user experience.

Backend API Development:

- Developed a RESTful API backend using Node.js and Express.
- Designed and developed robust database design, user authentication and authorization mechanisms using OAuth2, token passing, and cookie parsing for privacy compliance.
- Utilized MongoDB with Mongoose for efficient and organized data storage.
- Implemented Socket.io for real-time communication and developed high-speed algorithms for efficient data processing.

Micro services Architecture with RabbitMQ, Node & React:

- Contributed to the development of a micro services-based platform using Node.js and Java (Spring Boot).
- Designed and implemented individual micro services for specific business functionalities.
- Utilized Docker for containerization and orchestration of micro services.
- Implemented CI/CD pipelines for automated testing, building, and deployment of micro services.
- Utilized state management libraries like Redux or MobX to manage complex data flows and maintain consistency across various components.
- Implemented advanced React patterns, such as Higher Order Components (HOCs), Render Props, and React Hooks, to create reusable and compostable components, improving code maintainability and readability

Real Estate Management System with Integrated Chat Support:

- Played a key role as a full-stack developer in the development of a real estate management system.
- Utilized Node.js with Nest.js (Typescript) for the backend development.
- Implemented React.js with Next.js for efficient server-side rendering and building user interfaces, due to latest updates in react, the performance of react in SEO or for user side is unmatched.
- Developed features for property listings, user management, and integrated chat support for seamless communication between agents and clients.
- Utilized Prisma as a high-value database control for efficient data modeling and querying. Integrated AWS S3 for secure storage and retrieval of property images and documents.

Jan 2018 – May 2021
Systems Limited
Frontend Developer

Development Team Lead (SaaS and Device Management Applications)

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Skills

Frontend	Backend	Databases	Testing & Queue	Web Technologies	Other
React.js	Node.js	SQL	RabbitMQ	HTML	Strapi
Next.js	Nest.js	MariaDB	Erlang OTP	CSS & SCSS	Docker
Vue.js	Express.js	Postgres	Mocha	Threejs gasp	JQuery
Blade	GraphQL	Mongoose	Chai	Tailwind	TypeScript
	Laravel PHP	DynamoDB	Cross env	Bootstrap	JavaScript (ECMA)
	Java	NoSQL		Material UI	Socket.io