



Contact

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Location
Kington, England

Education

2023
BS in Software Engineering

2021
Google Certification in
MYSQL

2021
Certified from AWS & Cisco

Interpersonal Skills

- Work Management
- Collaborative
- Quick Learner
- Work Under Pressure
- Positive attitude
- Ethical
- Respectful

Technical Expertise

- React / Next / Tailwind
- Node / Nest / Express / Socket.io
- Postgres / Mysql / GraphQL / NoSql
- Redis / Kafka/ Rabbit MQ
- AWS / S3 / EC2 / Lambda
- Azure Cloud
- Linux / Docker / Kubernetes / Gitlab / Ngnix
- Continuous Development
- Continuous Integration

Muhammad Sarim

Software Engineer

Hello, I'm Sarim, a Software Engineer with over 7 years of extensive experience. As a dedicated and skilled 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.

Experience

December 2024 – Current

Du Telecom

Integration Engineer

Worked on telecommunication modules

- Worked on advanced telecommunication modules, implementing real-time seamless data transfer solutions using GraphQL and Node.js.
- Designed and developed IP tracking systems to enhance operational monitoring and security.
- Leveraged Redis for efficient caching mechanisms and Kafka for building reliable, scalable event-driven systems, ensuring high availability and low latency in data flow across multiple platforms.
- Developed a secure low-level telecommunication protocol in C, ensuring encrypted real-time data exchange between network nodes.

September 2023 – Nov 2024

Byte Legion

Full Stack Developer

Crafting an E-Learning Platform with Next.js 14.2, Node.js, Redis & Kafka

- Embark on a journey of crafting a breathtaking full-stack application, weaving together the magic of Clerk web hooks, the elegance of Stripe, and the sophistication of Shadcn UI, all orchestrated with Next.js on the frontend
- Delve into the backend realm with Node.js and Sequelize, leveraging the power of Azure Blob storage. Witness the birth of a bespoke MD5 algorithm, meticulously designed to imbue the video uploading process with seamless efficiency, unwavering security, and lightning-fast speed. And use of lambda in AWS for triggering.

SaaS and Device Management Applications

- Design and development of full-stack SaaS (Software as a Service) and device management applications.
- Integrate reactjs & nodejs with Salt and tactical to optimize application performance and maintainability in device management and device remote access.

Campaign Management Product (React, Node, AWS & C)

- Design and development of full-stack automate Mail Marketing product (Growtoro) using AWS, React, Laravel, Typescript, Nodejs.
- Attachment of different mail services, track there analytics, check the bounce rate and scheduling mails, balance the server load while sending 100s of mails same time.
- Engineered a secure token-based communication system in C for authenticating mobile applications. Designed an encrypted token mechanism to securely verify users between the source device and mobile applications, ensuring data integrity and security in communication channels.

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.

Language

- English

June 2021 – August 2023

Codesix

Full Stack Developer

Jan 2018 – May 2021

Systems Limited

Frontend Developer

Projects

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

- Developed scalable email server management system with Node.js and RabbitMQ.
- Utilized React.js, Material-UI, and Formik for an enhanced user interface.
- Implemented server-side rendering (SSR) with Next.js for improved SEO performance.
- Employed Docker for containerization and CI/CD pipelines for automated deployment.

Streaming Application with Kafka, React.js, Nodejs & Typescript Pub/Sub Arc:

- Built high-performance streaming application with Node.js, typescript and Erlang OTP.
- Implemented real-time data streaming using Kafka. Ensured user authentication with OAuth2 and token passing.
- Utilized React Context API and Redux for application-wide state management.

Micro services Architecture with RabbitMQ, Redis, Node & React:

- Designed and implemented individual microservices.
- Utilized Docker for containerization and CI/CD pipelines for automation.
- Implemented state management libraries.

Real Estate Management System with Integrated Chat Support Project:

- Played a key role as a full-stack developer in real estate management system development.
- Utilized Node.js with Nest.js (typescript) for backend development.
- Utilized Prisma for efficient data modeling and querying.
- Integrated AWS S3 for secure image and document storage and lambda for serverless.

Three.js Interactive Visualization with React.js:

- Designed and developed a high-fidelity, user friendly frontend using Three.js for creating interactive 3D visualizations.
- Utilized React.js for building the user interface and integrating with Three.js. Implemented Redux for efficient state management and integrated payment gateways for transactions.

E-Wallet Development with Node.js:

- Successfully developed wallets using Node.js, implementing algorithms and working with relational databases.
- Designed and developed secure and efficient CRM & wallet systems with features like transaction history and balance management in strapi.

Backend API Development with Strapi, Nextjs & Redis:

- Developed RESTful API backend with robust database design within strapi.