

MUHAMMAD SHAHRUKH

SOFTWARE ENGINEER

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portfolio: <https://iamsrk.vercel.app/>

PROFILE SUMMARY

Full Stack Developer with 5 years of hands-on experience designing, developing, and implementing applications and solutions using a range of technologies and programming languages. Seeking to leverage broad development experience and hands-on technical expertise in a challenging role as a Full-stack Developer.

TECHNICAL SKILL

ReactJs	NextJs	NodeJs	FastApi
VueJs	Gatsby	NestJs	ExpressJs
React Native	Redux	Docker	Postgres
JavaScript	TypeScript	MySql	MongoDB
Python	Java	GraphQL	Socket.io
Android Studio	HTML/CSS	Microservices	RabbitMQ
Material UI	Tailwind	AWS	Firebase
Material UI	Tailwind	FastApi	CI/CD

EDUCATION

Software Engineering

2014 - 2018

University of Science and Technology Bannu.

Final year project

First person shooting game for mobile, made with unity engine.

Hobbies

Learning new skills, programming, Visiting new places, Football, Knowledge about Universe, Listening Music, playing games.

Languages

- English
- Urdu
- Pashto

WORK EXPERIENCE

Senior Software Engineer

Jun, 2023

All Shore Virtual Staffing

Allshore is a service base company providing services to different software companies.

Projects:

Bodhi Hotels

Website: <https://app.bodhi.software/>

Spearheaded the development of Bodhi Hotels, an innovative IoT-based hotel management service, offering comprehensive monitoring of room parameters such as total energy consumption, water gauge readings, lights status (on/off), and door status (locked or unlocked). Additionally, facilitated seamless integration with third-party services like spa bookings and valley reservations.

Responsibilities

- Played a pivotal role in creating microservices using NestJs, a powerful Node.js framework, to ensure the scalability and efficiency of the application.
- Employed RabbitMQ as a robust message broker for facilitating seamless communication between microservices, enhancing system responsiveness and reliability.
- Utilized Redis for temporary data storage, optimizing data retrieval and overall system performance.
- Leveraged BullMQ for scheduling jobs, automating critical tasks, and improving operational efficiency.
- Took charge of generating essential reports by creating PDFs and CSVs, enhancing data-driven decision-making processes.
- Orchestrated the use of Firebase and MongoDB as database systems, ensuring data integrity, reliability, and efficient storage.
- Actively collaborated with Microsoft Azure for version control and repository management, contributing to a streamlined and organized development workflow.
- Integrated PayPal and Stripe for payment gateways.
- Utilized Azure Boards for project management, enabling the creation of user stories, task tracking, and project progress monitoring, ensuring project milestones were met efficiently.
- Implemented Apollo GraphQL client for data caching and communication with backend.

Technologies Used:

NodeJs, NestJS, ExpressJs, Internet of Things (IoT)

Microservices, Redis, BullMQ, RabbitMQ

3rd Party Integrations, Twilio, Nodemailer

MongoDB, Firebase

TypeScript, JavaScript, Git

Quant Datas Solutions, Islamabad

Quant Datas solutions is a service base company providing data solutions as a service.

Projects

E-Mareez

Website: <https://e-mareez.com/>

E-Mareez is a digital platform that tends to serve the community for the betterment in medical department by introducing easy and innovative system for doctors, patients and medical centres. A patient can register online and consult a doctor online.

Responsibilities

- Designed and constructed a single-page web application using ReactJs, NextJs, and Material UI, enabling seamless communication with the backend through REST APIs.
- Leveraged NextJs to optimize SEO and to boost the overall performance of the website.
- Successfully engineered a dynamic multi-role dashboard application catering to the unique needs of doctors, staff members, clinic owners, and administrators.
- Pioneered the integration of Web Sockets for real-time push notifications and chat functionality, enhancing user engagement and communication.
- Implemented Redux toolkit for state management.
- Skillfully incorporated the Agora SDK to facilitate video calling capabilities, enabling virtual consultations between doctors and patients, enhancing accessibility to healthcare services.
- Led a cross-functional development team of 3 developers, providing clear task assignments and code reviews to ensure high-quality code and adherence to project timelines.
- Streamlined payment processes by integrating multiple payment gateways, including EasyPaisa, JazzCash, and various bank cards, simplifying transactions for patients and medical centers.

Cartref

Website: <https://cartref-mvp.vercel.app/>

Cartref is a specialized documentation website that serves as a valuable resource for understanding how PayPal integrates with various e-commerce platforms, including WooCommerce, Bigcommerce, Magento, Shopify, and more. The platform also provides insights into how PayPal tailors its features to different countries based on the e-commerce platforms used.

Responsibilities

- Spearheaded the development of Cartref's frontend, utilizing Gatsby's static site generation capabilities. This approach ensured fast-loading and highly responsive web pages for users seeking comprehensive PayPal integration documentation.
- Utilized GraphQL to establish seamless communication between the frontend and Drupal backend.
- Demonstrated technical prowess by successfully creating Docker containers for both Drupal and Gatsby, streamlining the deployment and scaling of the website's components.
- Leveraged Amazon Web Services (AWS) infrastructure by proficiently uploading Docker containers to an EC2 instance, optimizing website performance and scalability.
- Implemented a robust Continuous Integration/Continuous Deployment (CI/CD) pipeline, enhancing development and deployment efficiency. This pipeline facilitated automatic testing, build, and deployment processes, ensuring rapid and reliable updates to the documentation website..

Morosoft is a professional company works on client base projects.

Projects

Online Sushi

Website: <https://onlinesushi.be/>

Online Sushi is an online restaurant management application that has gained prominence in Belgium. This innovative platform revolutionizes the dining experience by allowing users to easily search for their favorite restaurants, select specific dishes, add them to their cart, and seamlessly complete the payment process. Once the payment is confirmed, the selected food items are promptly delivered to the customer's doorstep.

Responsibilities

- Led the development of Online Sushi's frontend using Next.js, enhanced with Ant Design for creating sleek and user-friendly interfaces.
- Leveraged NextJs to optimize SEO and to boost the overall performance of the website.
- Used Javascript and TypeScript as a programming language.
- Implemented GraphQL as a communication protocol between the frontend and backend.
- Implemented Apollo GraphQL client for efficient data caching and communication with the backend
- Used TypeORM with code first approach for backend.
- Used Postgres database for data persistence.
- Use JWT for authentication and authorization.
- Seamlessly integrated PayPal and Stripe as payment gateways.

Automation App

Website: <https://automation.app/>

Automation app is a simple E-commerce automation & free CRM.

Responsibilities

- Successfully created the frontend of the Application using Gatsby.
- Leveraged Gatsby SSG for better SEO and high performance.
- Used bootstrap for UI designing.
- Used headless Wordpress as a content management system.
- Used GraphQL for communication with backend.
- Used Javascript and TypeScript as a programming language.
- Used Git as version control.

Medicosurveillance

Website: <https://medicosurveillance.com.au/>

A Home Medicines Review is when an accredited consultant pharmacist reviews the medicines that you are taking while ensuring that you're taking them correctly.

Responsibilities

- Used Node.js for backend, NextJs for frontend and Styled componets for styling.
- Successfully converted a figma design into responsive NextJs user interface.
- Used Javascript and TypeScript as a programming language.
- Used Git as version control.