

Muhammad Hamza Khan

Senior Software Engineer

FULL/MERN Stack Developer

Web Application Developer



Scheme 33, Gulzar-e-Hijri

Karachi, Pakistan

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<https://datguyhamza.dev>

Summary

An enthusiast who is seeking an opportunity with an esteemed organization where I can utilize my skills and enhance learning in the field of work. I am capable of mastering new technologies.

Skills

React JS

- Building Highly Reusable Components
- Recoil, Redux & Context API for Central State Management
- React Query for Asynchronous API Communication
- React Router DOM for Routing
- Material UI, Ant Design For UI Building
- React-Intl For Localisation

Node JS / TypeScript

- Building Highly Efficient Node JS Rest APIs
- Fastify & Express JS as framework of choice
- Node-Schedule and CRON Jobs for Task Scheduling
- MongoDB as database of choice
- Socket IO for Realtime-Communications
- Redis for Local Caching
- EJS Templating

MongoDB

- Writing Efficient Queries To Achieve Minimum Execution Time
- Basic MongoDB Queries and Operators
- Mongoose as Driver of Choice for NodeJS
- Aggregation Pipeline for Advanced Data Transformation
- Transactions to Attain Atomicity in Multi Documentaion Updation
- Knowledge of Geospatial MongoDB Queries
- Knowledge of Indexes and Compound Indexes to Speed up Queries
- Knowledge of Text Indexes to Achieve All Text Search
- Knowledge of Replication and Sharding
- Knowledge of Self Hosted & Managed (MongoDB Atlas) for DB Hosting

AWS Services

- EC2
- S3
- Route 53
- AWS Glue

Experience



Bazaar Technologies

Senior Software Engineer - Full Stack | April 2023 - Current

- Working in **Commercials** squad
- Responsible for building and maintaining internal tools which relates to Procurement process and Fulfillment process
- Working in a highly **Test Driven Environment**
- Working with multiple Microservices
- Following **Extreme Programming Methodology** with high focus on **Pair Programming**



Bykea

Full Stack Software Engineer | April 2022 - April 2023

- Working in **Delivery** vertical
- Working with multiple Microservices
- Responsible for creating new and maintaining old features
- Work with a on focus of **scale work** as we have millions of customers

3rd Party Services

- Stripe
- Paypal
- Tap Payment
- Twillio
- SendGrid
- Firebase Cloud Messaging
- Google Maps Platform
- Google Drive Platform
- Heroku

Database Tools

- MongoDB Compass
- Robo3T
- Adminer
- DBeaver
- Kibana

Other Skills

- PostgreSQL
- ThreeJS
- MatterJS
- NestJS
- NextJS
- Redis
- Elasticsearch
- RabbitMQ
- GraphQL APIs
- Dockers
- Java
- Document DB
- CI / CD
- ArgoCD
- Swagger
- Keycloak



Salsoft Technologies

Full Stack Web Application Developer | March 2021 - April 2022

- Developing Complete Platforms From Start to Finish
- Managing Existing Projects
- Developing Complete Application Structure and Design
- Developing Production Ready Web Applications
- Developing REST APIs for Mobile Applications
- Working on Various Technologies like WebRTC, WebGL, RTMP etc.
- Highly Involved with Project Managers for Improving Application Flow
- Working on Multiple Web Applications Simultaneously
- Always Learning Something New



Novasoft

Full Stack Software Engineer | June 2019 - March 2021

- Developing React Applications Using Material UI and Ant Designs
- Developing Frontend & Backend of E-Learning Platform



Switcheroo.ie Mortgages - Contract Work

Full Stack Software Engineer | July 2020 - April 2021

- Responsible for developing new and maintaining old features
- Worked closely with international clients to assess requirements and develop solutions
- Responsible for managing Mortgage platforms

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Education

- Bachelors in Software Engineering (2017-2020) Graduated with **3.23 CGPA**
- Intermediate in Pre-Engineering

Hobbies



Projects

Laboratory Information System

- Developed a Complete Laboratory Information System as My Final Year Project for ICCBS Research and Development Center.

PrepLi

- Food Delivery & Pickup Application
- Responsible for creating and managing complete backend
- Responsible for Admin Panel CRM
- Responsible for Shop Panel CRM

Manzilae

- Real-Estate Investment Project
- Responsible for creating and managing complete project

Nicole

- 3D Models Showcase for Engineering Parts
- Developed using ThreeJS

Today's Painter

- Online Video Streaming Platform dedicated towards painters
- BridTV Ads Integration in between video playback

Dumitru

- Multivendor Market Place
- Responsible for developing Admin Panel, User, Trader, and Vendor Websites
- Complete Backend Development

Car Auction

- Platform to Auction your automobiles
- Developed a custom auction system with Timed Auctions and Flash Auctions
- Responsible for developing backend and user panel

Oldentimes

- Multivendor Market Place
- Responsible for developing Admin Panel, User, and Vendor Websites
- Complete Backend Development

Certifications

- Web and Mobile Application Development | Saylani Mass IT Training Program
 - January 2018 - December 2018
- NodeJS - The Complete Guide (MVC, REST APIs, GraphQL, Deno)
 - Udemy
- MongoDB - The Complete Developer's Guide 2022
 - Udemy
- JavaScript - The Complete Guide 2022 (Beginner + Advanced)
 - Udemy

Go Shed

- Develop your own Shed with interactive 3D models and see your developed Shed in realtime
- Developed using ThreeJS

MB Fitness

- Fitness Tracker Application with Single Vendor E-Commerce Store
- Developed backend and admin panels

HRM

- Human Resource Management Platform Developed Admin, Employee, and Branch
- Manager Panels with complete backend

Saints Shop

- Multivendor Market Place Application
- Responsible for developing Admin Panel, and Vendor Websites
- Complete Backend Development

Medaway

- Online Doctor Appointment Booking Platform
- Developed Voice and Video Calling Features
- Developed User and Doctor Panels and Integrated APIs

Sweets at Work

- Single Vendor E-Commerce Store
- Developed User Panel and Integrated APIs

Switcheroo

- Ireland's Digital Mortgage Platform
- Developed and Maintained new and existing features
- Responsible for backend development

Luxxit

- Ride Hauling Application
- Responsible for architecting, and development of Backend and Admin Panel