

Muhammad Mohsin

FULLSTACK ENGINEER

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Education

Blekinge Institute of Technology

MS COMPUTER SCIENCE

Karlskrona, Sweden

2022 - 2024

- **Courses:** Machine Learning, Deep Learning, Information Retrieval, Probability and Statistics, Big Data, Research Methodologies

University of Gujrat

BS COMPUTER SCIENCE

Gujrat, Pakistan

2016 - 2020

- **Courses:** Programming Fundamentals, Data Structures, Analysis of Algorithms, Artificial Intelligence, Networking, Databases, IoT

Skills

JavaScript

React.js, Next.js, Nest.js, TypeScript, NodeJs, Express.js

AWS

Athena, DynamoDB, S3, EC2, Lambda, CloudWatch, CodeCommit, CloudFront, Simple Queue Service (SQS), RDS, Terraforms

System Design

Microservices, Kafka, RabbitMQ, Elasticsearch/OpenSearch, Real-time event driven Applications, Design Patterns(Singleton, Factory, SOLID, Dependency Injection)

Databases

SQL (PostgreSQL, MySQL, SQL Server, Oracle DB), NoSQL (MongoDB, DynamoDB, Firestore)

DevOps Skills

Linux, Docker, Jenkins, CI/CD, Git, Gitlab, SVN

Hardware Skills

Arduino (ESP32, 8266), Raspberry Pi, MDB, Vending machines, Bill & coin acceptors and validators, Touch & paper screens, Serial communication

Soft Skills

Leadership, Professional Communication, Humble Attitude, Team Management, Time Management

Experience

Izafe Group

FULL STACK ENGINEER

Stockholm, Sweden

Dec 2022 - PRESENT

- Working very closely to the hardware
- Working with the integration of API
- Managing the AWS monitoring and analyzing workloads.
- Maintaining the mobile applications IOS and Android.
- Working closely with an infrastructure plan and implementation by analyzing all aspects from hardware, mobile app, web app, and elasticity.

Matrix Network International B.V.

SOFTWARE ENGINEER

Netherlands (remote)

April 2021 - Nov 2022

- Working directly with the client to get requirements and Sprint planning stuff and all aspects of SDLC.
- Doing Code Review of junior developers and training trainees on for full-stack development
- Developed Crypto ATM machine named Bitbit Atm.
- Developed Remittance Webapp for Remittances to Venezuela.
- Developed Mobile recharge Web app for Mobile recharge to Venezuela.
- Developed Crypto arbitrage bot for Auto-trading.

Pakperegrine Pvt LTD.

SOFTWARE ENGINEER

Pakistan

Sep 2020 - March 2021

- Worked on mobile e-commerce applications of leading businesses and warehouses in Pakistan including Chamman, Choice Enterprises.
- Developed Mobile E-commerce solution named Lawyers Dairy.
- Developed Multi-User Multi-store E-commerce Web application.

Freelancing (Upwork, Fiverr)

FULL STACK DEVELOPER

Remote

March 2018 - July 2020

- Worked with long-term projects of various domains like e-commerce, CRM, and data-driven.
- Developed various Single Page Applications in Angular.
- Worked on Microservices and real-time event-driven architectures with Kafka and RabbitMQ.
- Deploy front-end and back-end services to AWS and Heroku.
- Developed an ETL and secured web service to provide useful insights for cryptocurrency traders.
- Worked on Big Data Tools to develop ETLs.

Projects

Bitcoin ATM machine

- A Atm machine developed for bitcoiners to buy bitcoin from various locations where they can use cash or debit card.
- I developed the hardware and integrated it with web APIs. I developed a complete backend.
- Worked on Microservices architecture in this project. Services were communicating through AWS SQS (Simple Queue Service).
- I have integrated the backend with bitcoin Main-net and lightning wallets

Venrecarga

- A mobile recharge service that loads mobile recharge in Venezuela. A service for Venezuela nationals to recharge to their beloved ones in Venezuela.
- I integrated Venrecarga with BunQ bank.
- Made integration with Stripe, Paypal, and Open-node for payment collection.
- I was implementing new requirements along with providing support.

Rembit

- Rembit is a remittance web service to send funds instantly over the Master and Visa networks. The Remit helps users and businesses to send funds without any long KYCs. It's a secured system and checks all the required checks (Anti-money laundering, Background checks).
- My role was to develop a service for the clients to provide some endpoints for KYC. This service was also responsible to run an ETL job every 24 hours to transform and load the data in MySQL from S3 using Athena.

Chivozon

- Chivozon is a WordPress plugin that syncs the Woocommerce stores to synchronize the inventory and manage all the ordering automatically on the behalf of the company and process the orders.
- I implemented a microservice, Ordering service, which was communicating with plugin and backend with Restful APIs and Socket and with other services by RabbitMQ.
- Developed some modules in the frontend side using Nextjs. Developed admin dashboard in Reactjs.
- Setup the RabbitMQ for the Production environment and configured the queues and exchanges for the service.

IceRebus

- IceRebus is an ice vending machine that sells and provides easy and convenient access to ice in a wide array of locations, from marinas to supermarkets, gas stations, camps, and many more.
- I implemented a microservice that was communicating with hardware machines with Restful APIs and Socket and with other services by Cloudflare workers.
- Developed Mobile application that controls the hardware.

Achievements

- Java Master Trainer and Oracle certified
- Java Foundations certified by Oracle
- Blockchain Foundations certified by IBM
- MS Office Suit certified by Microsoft