

# Hassan Raza

📍 Dubai    ✉ hassanrazamohammadtufail@gmail.com    ☎ +971588289941    🌐 <https://www.linkedin.com/in/hassan-memon/>  
🔗 <https://github.com/HassanRazaMuhammadTufail>

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## SUMMARY

Seasoned Software engineer experienced in managing and leading teams and technology, having a deep understanding of software engineering and core knowledge. Proven track record in maintaining scalable, performant applications with global teams.

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## EXPERIENCE

### Software Engineer

**Clozer.io**

**September 2023 - Present, Dubai**

- Managing and Upgrading the backend and frontend, adding features, optimizing, and refactoring.
- Integrating 3rd party music platforms in our system.
- Updated Authentication flow on the frontend.

### Software Consultant

**Consultancy and Contracts**

**January 2023 - September 2023, Remote**

- During this period I worked as a consultant to different Software businesses around the Middle East and the USA.
- Projects I worked on:
  - Send me a trainer / Send me a Pro
  - Worked on the whole product infrastructure and architecture including mobile, web, admin, backend, and CRM integrations
  - Added new features designing the database, developing UX, and managing timeline.
- GPS Dataviz
  - Worked on Frontend adding features, collaborating with clients about how can we make it more useful by adding simplified features and easy UX.
- Skip the call
- Redefined application architecture backend mostly including new database designs and code infrastructure.

### Software Engineer

**Corel Corporation**

**August 2022 - December 2022, Ontario**

- Significantly improved existing features, resolved bugs, and conducted comprehensive testing for Corel Vector products.
- Spearheaded a new project targeting casual designers, orchestrating successful teamwork and project initiation.
- Led the creation of a web-based frontend using Reactjs and TypeScript, from design inception to implementation.
- Enhanced graphics engine efficiency through targeted fixes and optimizations, resulting in performance gains.
- Designed and implemented Invoice PDF generation, setting the groundwork for an upcoming Subscription Feature.

### Software Engineer

**Bykea**

**December 2020 - March 2022, Karachi**

- Led and managed cross-functional teams, overseeing sprints, deliverables, and sprint planning, while also estimating project timelines.
- Engineered a robust support system for the CSR department, utilizing TypeScript, Nestjs, Reactjs, AWS DocumentDB, and Redis cache. Managed staging environments for QA on Linux servers.
- Integrated Kafka to replace Rabbitmq within internal services for streamlined event sourcing.
- Revamped and optimized back office and support system portal, enhancing server efficiency and overall performance.
- Collaborated in the successful launch of a supermarket feature, contributing to enhanced user experiences.
- Resolved live issues related to Queues, addressing TTL & delay concerns, providing support to the head of engineering.
- Efficiently optimized Redis cache usage by eliminating redundant keys, resulting in a nearly 50% reduction in cache size.
- Orchestrated database migrations and facilitated the deployment of microservices on staging servers.

### Full Stack (Backend) Engineer

**Expando**

**June 2019 - December 2020, Karachi**

- Oversaw database migrations and managed cron jobs, ensuring seamless data management and task scheduling.
- Upgraded and managed a web annotator tool built with Vue.js and Node.js, enhancing its functionality and user experience.
- Spearheaded the development of the backend for a Ridesharing app and the frontend of an admin portal.
- Implemented live location sharing using SSE, enhancing real-time communication and tracking capabilities.

- Led the creation of video calling and chat applications, integrating HTML canvas for interactive drawing features.
- Engineered AWS Lambda functions to initiate EC2 Instances via API calls, streamlining server management and scaling.

## Junior Full Stack Developer

Panacloud

January 2018 - February 2019, Pakistan

- Enthusiastically acquired skills in constructing efficient web applications with streamlined code and user-friendly functionalities.
- Delved into React Native for mobile app development and honed expertise in Nestjs for backend solutions.

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## EDUCATION

### Bachelor of Science in Computer Science

Minor in Software Engineering • University of Karachi • Karachi, Pakistan • 2020 • 2.8

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## CERTIFICATIONS

### Problem Solving Certificate

HackerRank • 2022

### Data Science Methodolgy

IBM (Cognitive Class) • 2020

### Introduction to Data Science

IBM (Cognitive Class) • 2020

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## INVOLVEMENT

### Lab Assistant

Saylani Welfare International Trust • Saylani Mass IT • March 2018 - June 2023

- Led student's lab for hands-on training in JavaScript basics and React fundamentals.
- Assisted Teacher in explaining his theoretical work in Lab practicals.

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## SKILLS

Language: TypeScript, JavaScript, Golang, Java, Python

Frontend: ReactJs, NextJs, SSR, React Native, Redux, GraphQL, Mobx, TailwindCSS, Storybook, MUI, AntD, SemanticUI, Webpack, Babel, Grunt, Vite, Vercel.

Backend: NodeJs, NestJs, ExpressJs, Fastify, AdonisJs, Golang, Java, Python, Microservices, Rest API, GraphQL, Webhooks, FastAPI, Swagger, Schedulers, clustering, PM2.

Database: PostgreSQL, MongoDB, SQL, DynamoDB, Firebase Firestore/Realtime, Redis, ElasticSearch.

Testing: Jest, Chai, Mocha, Unit testing, e2e testing, integration testing.

Cloud: GCP, AWS, EC2, Lambda, S3, Cognito, Appsync, IAM, Dynamo DB, API GATEWAY, Route 53, CloudFront, AWS Amplify, Docker, Linux, Kubernetes

Routing: HTTP, GRPC, SSE, Sockets, RabbitMQ, Kafka, AWS SQS

Management Tools: JIRA, GIT, BitBucket, Trello, CI/CD