Hassan Raza

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SUMMARY

Seasoned software engineer with full-stack expertise, and experience in building, managing, and leading teams. Having a deep understanding of the core software development concepts. Passionately adaptive, dynamic, and proactive. Proven track record in maintaining scalable, performant applications with global teams.

EXPERIENCE

Senior Software Engineer
Tenderd Track   **March 2024 - Present, Dubai**
- Participating in sprint plannings and defining sprint goals.
- Making sure the team is align as per sprint goals and taking up responsibility to deliver.
- Added Kafka to ingest data from different microservice managed by third party.
- Supervising and helping team members to achieve team goals.

Senior Software Engineer
Clozer.io   **January 2023 - March 2024, Dubai**
- Led development for realtime analytics module to track for more than 20 user activity based events.
- Originate system to schedule saving future music releases.
- Developed a service to get music urls from over 8 well known music platforms by music title.
- Supervised frontend development to make sure application architecture remains clean and scalable.
- Revamped authentication flow resolved 10+ critical bugs.

Software Consultant
Consultancy and Contracts   **January 2023 - September 2023, Remote**
- Consulted with various software businesses across the Middle East and the USA.
- Led the development of the entire product infrastructure and architecture, encompassing mobile, web, admin, backend, and CRM integrations for the "Send me a trainer / Send me a Pro" project.
- Implemented new features, redesigned databases, developed user experiences, and managed project timelines, resulting in a 20% increase in user satisfaction.
- Collaborated with clients to enhance the frontend of the GPS Dataviz project, introducing simplified features and improving user experience, leading to a 15% increase in user engagement.
- Redefined the backend application architecture for the Skip the Call project, focusing on new database designs and code infrastructure, resulting in a 30% improvement in system performance.

Software Engineer
Corel Corporation   **August 2022 - December 2022, Ontario**
- 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.
- Improved existing features for Corel Vector products, resolving 15+ bugs and conducting comprehensive testing, resulting in a 30% decrease in bug reports from users.

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. Completed 10+ sprints on schedule, with a 95% on-time delivery rate.
- 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, resulting in nearly 0% data loss.
- Revamped and optimized back office and support system portal, enhancing server efficiency and overall performance. Achieved 100% uptime.
- 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.

EDUCATION

Bachelor of Science in Computer Science
Minor in Software Engineering · University of Karachi · Karachi, Pakistan · 2020

CERTIFICATIONS

Problem Solving Certificate
HackerRank · 2022

Data Science Methodolgy
IBM (Cognitive Class) · 2020

Introduction to Data Science
IBM (Cognitive Class) · 2020

INVOLVEMENT

Lab Assistant
Saylani Welfare International Trust · Saylani Mass IT · March 2018 - June 2023
· Conducted 4 months of hands-on training sessions for students, focusing on JavaScript basics and React fundamentals.
· Assisted the teacher in explaining theoretical concepts during lab practicals, ensuring students understood the material effectively.
· Provided personalized guidance to over 50+ students during lab sessions, addressing individual questions and concerns related to JavaScript and React.

SKILLS

Language: TypeScript, JavaScript, Golang

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

Backend: NodeJs, NestJs, ExpressJs, Fastify, AdonisJs, Golang, 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, CloudFront, AWS Amplify, Docker, Linux

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

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