



HASSAN AZHAR

SOFTWARE ENGINEER 📍 KARACHI, PAKISTAN ☎ +92-333-3607425

◦ DETAILS ◦

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◦ LINKS ◦

[LinkedIn](#)

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◦ SKILLS ◦

Node.js

React

Typescript

Amazon AWS

Git

SQL Databases

NoSQL Databases

◦ LANGUAGES ◦

English

👤 PROFILE

- Software engineer with a focus on high-performance application development
- Expertise in the following
 - NodeJS
 - ReactJS
 - TypeScript
 - AWS
- Experience working on projects in finance, healthcare, and insurance industries
- Experience contributing to open-source projects such as
 - AWS-CDK
 - LambdaAPI_
 - Projen
 - Dynamodb-Onetable
- Skilled in building scalable and robust software solutions
- Problem-solver with a passion for finding innovative solutions to complex problems
- Seeking a role to continue developing reliable software solutions and expanding skill set in new areas

📁 EMPLOYMENT HISTORY

Principal Software Engineer at 10Pearls, Karachi

January 2022

I collaborated with product managers and architects to develop a data-related tool that streamlined the data ingestion and processing needs of multiple education-based products. This tool enabled seamless integration of external data into the system, optimizing data processing and enhancing the overall functionality of the products.

Staff Software Engineer at 10Pearls, Karachi

January 2020 — December 2021

I served in a leadership role where I was responsible for analyzing development and service issues and providing effective solutions to meet the organization's needs. As a team leader, I managed a team of 5 developers and a QA engineer, providing guidance and support to ensure the successful completion of projects.

To maintain the confidentiality and security of the organization's operations, I implemented rigorous data protection protocols and ensured that all information was kept confidential.

In addition to my leadership responsibilities, I played a key role in software architecture and application design, working closely with an offshore architect to optimize software performance, ensure scalability, and improve overall reliability. My contributions in this role were instrumental in delivering high-quality applications that met the organization's needs.

Senior Software Engineer at TPL Holdings, Karachi

August 2016 — December 2019

I was responsible for analyzing development and service issues, and providing effective solutions to meet the needs of the organization. As a leader, I managed a team of

4 developers and quality engineers, providing guidance and support to ensure the successful completion of projects.

To ensure optimal results, I evaluated analysis, problem definition, requirements, solution development, and proposed solutions to determine estimations. I also played a key role in software architecture and application design, leveraging my expertise to optimize software performance and ensure the scalability and reliability of applications.

To maintain the confidentiality and security of the organization's operations, I implemented rigorous data protection protocols and ensured that all information was kept confidential.

Software Engineer at Tectonic, Karachi

February 2015 — February 2016

In my previous role, I analyzed development and service issues, and provided effective solutions to meet the needs of the organization. This involved evaluating analysis, problem definition, requirements, solution development, and proposed solutions to determine estimations and develop technical design documents.

To ensure optimal results, I engaged in ongoing learning and development, staying up-to-date with the latest development tools, programming techniques, and computing equipment. I also participated in educational opportunities, read professional publications, maintained personal networks, and participated in professional organizations.

In addition to my technical responsibilities, I maintained the security and confidentiality of the organization's operations. This involved following the software development lifecycle, attending daily SCRUM meetings, and working collaboratively with users and team members to develop software solutions that met the needs of the organization.

★ PROJECTS

Data Channels, USA, New York

Tech Stack

- NodeJS,
- Typescript,
- PostgreSQL,
- Codefresh CI/CD
- AWS
 - Lambda
 - API Gateway
 - Step Functions
 - Event Bridge

Description

- Developed a data processing application that provided flexibility to other developers to easily write their data processing jobs using our SDK, CLI, and service.
- Designed and implemented the CLI using NodeJS, TypeScript, and Yargs (npm package), enabling other developers to run, stop, view stats, and estimate the cost of jobs that would incur.
- Created an SDK that abstracted functionality to consume our own service to trigger job flows, allowing jobs with multiple steps, including fetching data from sources, merging data with existing data from our database, cleaning data if required, and saving data.
- Configured notification systems over Slack and email to notify users about the completion of jobs.

Medical Records, London, UK

Tech Stack

- NodeJS,

- React,
- Typescript,
- AWS
 - Lambda
 - API Gateway
 - DynamoDB
 - Step Functions
 - Event Bridge
 - Code Pipeline CI/CD
 - S3

The project was running fully serverless on AWS, utilizing services such as Lambda, API Gateway, DynamoDB, and S3 for a scalable and cost-effective solution.

Third-party Integration

RockSet -

Rockset is a real-time indexing and querying database in the cloud, designed for ingesting, processing, and querying large volumes of semi-structured data, such as JSON, CSV, and Parquet. Rockset provides a serverless platform for data teams to build fast and scalable applications without the need for infrastructure management. With Rockset, developers and data scientists can focus on creating new data-driven applications, while Rockset takes care of the heavy lifting of data ingestion, indexing, and query processing. The database is optimized for low-latency queries and can support real-time analytics use cases, making it suitable for building applications that require instant insights into fast-moving data.

Sanity -

Sanity is a cloud-based content management system (CMS) designed to help teams collaborate on creating, managing, and delivering digital content. It provides a flexible and customizable platform for organizing and storing content, including text, images, videos, and other media types. Sanity's intuitive interface allows developers and content editors to work together in real-time, creating and editing content while seeing changes immediately.

GetStream -

etStream is a cloud-based API service that provides real-time and scalable feed infrastructure for developers and businesses. The platform allows developers to quickly and easily add a wide variety of real-time feed functionality to their applications, including activity feeds, newsfeeds, and user profiles.

Description

- Designed and developed a secure portal for doctors to efficiently store and manage sensitive medical data.
- Implemented features to enable doctors to easily access and update patient information, medical histories, and treatment plans.
- Incorporated role-based access control to ensure that only authorized personnel can view and modify patient data.
- Utilized industry best practices and HIPAA guidelines to ensure data privacy and security.
- Collaborated with a cross-functional team of doctors, medical staff, and software developers to ensure the portal met the needs of healthcare professionals.



EDUCATION

BSCS, Dadabhoy Institute of Higher Education, Karachi

2012 — 2016

I hold a Bachelor of Science in Computer Science (BSCS) with a cumulative grade point average (CGPA) of 3.0. Throughout my degree program, I gained a solid foundation in computer science principles, including algorithms, data structures, programming languages, software development methodologies, and database systems. My education

has equipped me with the skills and knowledge needed to succeed as a software engineer, and I am excited to apply what I have learned in my career.



REFERENCES



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