

SHAHID HAMEED

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Islamabad, PK

SUMMARY

Result Driven Software Engineer with a proven track record of **3+ years** in designing, developing, and deploying innovative web and Desktop applications. Adept at translating complex business requirements into efficient and scalable technical solutions. Proficient in both Back-end and DevOps, with a deep understanding of the complete development lifecycle. Highly skilled in collaborating with cross-functional teams and delivering high-quality code on time. Recognized for exceptional problem-solving abilities and a passion for staying updated with the latest industry trends and best practices. A reliable asset, dedicated to driving project success and fostering continuous improvement.

TECHNOLOGICAL SKILLS

Front-End: JavaScript [**3+ years**], TypeScript [**3+ years**], ReactJS [**3+ years**], NextJS [**3+ years**], HTML [**4+ years**], Tailwind, CSS, LESS, SASS, Material UI

Back-End [3.5+ years]: NodeJS, Express, NestJS, Python, Flask, C++, Java

Testing Frameworks [3+ years]: Jest, Karma JUnit,
Databases: SQL, MySQL, PostgreSQL, MongoDB, DynamoDB

Tools [4+ years]: Git, Jira, Azure, AWS, GCP, Lambda, Docker, Kubernetes, Jenkins, Quick Sight, S3 Buckets, EC2

Certifications: AWS Certified Solutions Architect - Associate

WORK EXPERIENCE

Full Stack Developer Techception

(Feb 2023 - Mar 2024)

- Worked on multiple projects from scratch to develop products involving JavaScript and MERN stacks, as well as AWS services such as S3 Buckets, Lambda, Docker, and ECS clusters.
- Scaled lead distribution platform to handle **230M+** active leads to Realtors in the US.
- Led Backend Development of Reprosify.com and MuzzBizz from making the Architecture to Production Releases. (demonstrates leadership)
- Setup auto deployment Pipelines on AWS for Code, build, test and releases, while Maintaining serverless deployment over ECS Clusters.
- Identified bloated Docker images as a deployment bottleneck. Implemented multi-stage builds, achieving an 86% size reduction and significantly faster deployments.
- Leverage safe raw queries for internal operations and cron jobs, optimizing solutions from 15 Minutes to milliseconds latency.
- Used best practices like indexing for fields, raw getters to bypass ORM latencies, Principle of Least Privilege in data getters.
- Scripting using Python to do schema conversion and insert bulk amounts of data into AWS RDS with maximum resiliency and no loss or duplication of data.
- Developed RESTful APIs in Node Js (Express, Nest) and Python (Flask).
- Led the migration of a legacy system to a Node.js based application, cutting down response times by half.
- Implemented efficient database usage by optimizing data loading onto RAM through database engine-side mocking, enhancing resource efficiency.
- Architected and implemented a highly scalable service using Node.js and TypeScript, servicing over **500,000 requests** daily with **99.99%** uptime.
- Used Apollo client and server for GraphQL. I have experience with Postgraphile in order to make Postgres and GraphQL API more robust

- Used No SQL (firebase, MongoDB) and SQL (Mysql, Postgres) in various projects based on requirements
- Experienced migration and development of Microservices backend using typescript in NodeJS Built reusable code for future use Appstore and Playstore deployments.
- Increased developer efficiency by **20%** through code reuse and component libraries while contributing to large-scale applications for lead distribution.
- AWS services such as S3 buckets, ECS, Code Commit, Build, Pipeline, and Lambda functions.
- Converted sites to React with Redux store implementation.
- Used React Bootstrap, and Material UI to design the website's JSX.
- Establish CI/CD pipelines to automate the build, test, and deployment processes, ensuring a streamlined development workflow.
- Experience in design and development of web applications using HTML 5, CSS, and JavaScript frameworks, such as Bootstrap, ReactJS, Redux, NextJS and NodeJS

Software Engineer **Elite IT**

(Nov 2021 - Feb 2023)

- Developed new user-facing features.
- Managed Backend and DevOps for Drivewave, A ride hailing service streamlining the custom booking flow for companies in UAE.
- Wrote server-side code and worked with databases such as MySQL, MongoDB, or PostgreSQL.
- Contributed to a team that reduced development time by 10% for a web-based platform (Content-Portal) facilitating user management for Instructors and enrolled Students.
- Working collaboratively with QAs, development, and business groups to complete comprehensive testing (Unit, Integration, E2E) on major software releases.
- Discovered, debugged, and purged major bugs and pivoted a new path for the clients' products helping them to attain a massive customer segment.
- Implemented advanced data fetching techniques using redis while also maintaining cache Invalidation.
- Utilized Firebase for storing media content associated with course modules.
- Tested and debugged the code to ensure that it is working properly.
- Strong understanding of cloud computing technologies and can work with platforms such as AWS or Azure.
- Implementation of security and data protection.

Software Engineer **Vintage Solutions**

(Aug 2020- Jun, 2021)

- Developed new features and enhancements for applications using Express and Typescript.
- Optimized application performance, increasing speed by 25% and reducing load time by 30%.
- Design and implement scalable and maintainable software architectures to support the growth and evolution of the product.
- Worked collaboratively with other developers to create high-quality web applications. Deployed and maintained web applications.

EDUCATION

FAST National University, Islamabad
Bachelor's of Software Engineering

(Jun, 2020- Jun, 2024)