

SAMAD ALI QURESHI

Software Engineer

✉ saq4798@gmail.com ☎ +923228719448 in Samad Ali Qureshi 🌐 Samad Ali Qureshi

Professional Experience

Software Engineer, *Sound M & D LLC*

01/2023 – 01/2024

- Developed Enterprise level applications using technologies like ReactJS, NodeJS, ExpressJS, Fast API, Web Sockets, Postgres
- Managed CI/CD Pipelines using AWS and Github actions, experienced in various AWS services such as Amplify, EC2, Route53, RDS, Elastic Cache, etc
- Crafted responsive, cross-browser compatible UI/UX following Figma and Adobe XD files

Software Engineer, *Liquid Technologies* 📁

07/2022 – 12/2023

- Developed and maintained robust backend solutions, ensuring high performance and scalability for web applications.
- Implemented efficient database architectures and RESTful APIs, optimizing data storage and retrieval while ensuring seamless communication between different system components.
- Collaborated closely with cross-functional teams, to design and deliver seamless end-to-end solutions, meeting project timelines and requirements.

Full Stack Engineer, *Technics Lab*

03/2021 – 06/2022

- Implemented SaaS apps during my stay at Technics Lab
- Integrated 3rd party APIs for background checks of users such as ID verification, Fingerprints, etc
- Implemented Frontends with ReactJS, NextJS, HTML, and CSS. Developed backend APIs with NodeJS, ExpressJS, and Fast API
- Was rewarded with an Employee of the Year award

Recent Projects

Private Web 7 📁

- Implemented secure, encrypted messaging and end-to-end encrypted calling for private communication. Engineered a secure file storage and sharing system with dedicated customer support channels. Customized role-based access control and developed AI algorithms for personalized blog content recommendations.
- Ensured end-to-end encryption, adopted a zero-trust security model for continuous verification, and implemented multi-factor authentication for enhanced security.
- Constant monitoring for rapid threat detection and response, protected user identities with avatar-based identification, and enabled secure community and group communication.
- Utilized Python FastAPI for high-performance APIs, ReactJS for responsive user interfaces, Node.js/ExpressJS for server-side logic and real-time communication with Socket.io, and PostgreSQL for efficient storage and security of user data.

Test Master AI 📁

- Implemented an AI-driven ACT test preparation platform offering personalized learning experiences.
- Integrated Langchain and Open AI technologies to deploy GPT-4.0 model for precise and automated test evaluation, providing detailed feedback on correct and incorrect answers. Fostered dynamic learning environments with interactive features allowing students to question AI feedback and challenge responses, ensuring continuous improvement.

- Developed comprehensive result analysis tools highlighting strengths and weaknesses, alongside personalized game plans optimizing study efforts.
- Leveraged ReactJS with ViteJS for frontend development, Fast API for backend processing, Langchain and Open AI for model fine-tuning, and Postgres for secure data storage.

Technical Skills

Frameworks JavaScript, ReactJs, Es6, Node Js, Express Js, FastAPI, Django

Databases MongoDB, MySQL, Firebase,

Tools Git, Visual Studio Code, Visual Studio, Android Studio, Eclipse, IntelliJ Idea

Education

Bachelor of Science (Computer Science), Sukkur IBA University

2017 – 2021

- FYP "E Ambulance" was awarded Ngiri Ignite Funding, nationallevel funding for innovative and promising ICT projects

Activities

Data Science Summer School, Hertie School Berlin [🔗](#)

08/2023

- Participated in Hertie School Data Science Lab's intensive program, and engaged with professionals and peers in the field of data science.
- Acquired practical insights and hands-on experience through workshops on advanced topics, including Generative AI, Big Data and Deep Learning for Multi-modal Systems.
- Delved into the fine-tuning of Bert and GPT models for in-depth understanding.

Executive Head, CS Society

- Mentored in the Programming Resource Club to guide first-year students in 1:1 sessions.
- Organized TechFest managing a team of 5+ people, and secured 3rd position in the speed programming competition.

Co Coordinator, Public Speaking Society

- Being an avid reader and writer, headed the Public Speaking Society in my university and college managing a team of 10+ people.
- Started a book reading club and organized a literary festival PLF in collaboration with the National Arts Council.
- Got 5th position in national-level HRCA competition and participated in declamation and debates

Certifications

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| • Generative AI Essentials for Data Science 🔗 | • Google Data Analytics Professional Certificate 🔗 | • Advanced Relational Database and SQL 🔗 |
| • Leadership and Emotional Intelligence 🔗 | • International Leadership and Organizational Behavior 🔗 | • McKinsey Forward Program 🔗 |