

M. Shahzeb Raza

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Profile

Software Engineer with 3+ years of experience in designing and building scalable **web applications**, complemented by expertise in **DevOps automation** and **cloud infrastructure**. Adept at delivering full-stack solutions and automating CI/CD pipelines to enhance development workflows and production stability.

Education:

- **Relevant Courses:** Introduction to Programming, Complete React Course (Udemy), Responsive HTML and CSS (Udemy), Advanced CSS and Sass (Udemy), Node & Express Boot-camp (Udemy)
- **Bachelors in Mechanical Engineering:** NUST - National University of Sciences & Technology | 3.5 GPA | Sep 2016 - July 2020

Technical Skills:

- **Development Technologies:** React.js, Node.js, Express.js, TypeScript, Next.js, MongoDB, HTML, CSS, C++, Postgresql
- **DevOps & Cloud:** AWS (CloudFormation, Elastic Beanstalk), GitHub Actions, Firebase, Firestore, Docker, CI/CD Pipelines, Bash Scripting
- **Frameworks/Libraries:** React Query, React Hook Forms, ShadCn, SCSS, Material UI, C++.
- **Tools:** Git, Postman, WordPress, Prisma, Figma, VSCode.

Work Experience

AiQuery: (Senior Software Engineer: Dec 2023 - Present)

- **Cloud Infrastructure:** Designed entire cloud infrastructure for the product and used **AWS Cloudformation (IaaS tool)** to facilitate infrastructure management and **reduced 90% the infrastructure deployment time**.
- **CI/CD & Devops Automation:** Created custom deployment scripts to enable localized testing for code deployment before triggering CI/CD pipelines and used Github Actions to set up automated CI/CD pipelines for both staging and production environments across Client, Server, and Landing-Page repositories.
- **Client-side development:** Created entire frontend including business-logic components using **React, TypeScript, React Hook Forms**, and **React Query** and integrated it with back-end, resulting in an enriched user interface. Optimized the application with caching and memoization for lightning fast user experience.
- **Website:** Created **SEO friendly homepage** with custom modern design and tailored to brand them for high conversion and easy user flow using Next.js, ShadCN and Acceternity UI.

Sumiaka: (Software Engineer: Dec 2022 - Sep 2023)

- **AWS Cognito Authentication:** with **AWS Cognito SDKs** allowing secure third-party authentication & enhanced user access control, achieving zero unauthorized access incidents and resource authorization.
- **Devops:** Achieved 100% deployment success rate by automating CI/CD pipelines with containerized deployment using docker .
- **Frontend Development:** Developed a user-friendly UI using **React** and **TypeScript**, improving user engagement by 15%.
- **Backend development:** Built a scalable backend with **Node.js and Express**, handling 10,000+ monthly active users.
- **Website:** Designed landing and pricing pages using Material UI, increasing conversions by 25%.

Freelance: (Software Engineer: Dec 2022 - June 2023)

- **UI/UX Design:** Crafted intuitive and engaging interfaces, elevating user experiences.
- **Website Design & Development:** Delivered responsive websites from concept to launch
- **Bug Fixing & Feature Addition:** Diagnosed and resolved code issues, enhancing system stability and extending project functionality.

Government of Pakistan: (Assistant Manager: July 2020 - April 2024)

- **Project Management:** Managed end-to-end project-management with a focus on traceability, safety and quality, ensuring timely production and compliance.
- **Supply Chain Management:** Efficiently handled procurement, inventory, and production processes, ensuring industry standards and safety measures.

Projects

S.P.R.I.N.T: - Smart Production & Inventory Tracking

- **Challenge:** Manual inventory and production tracking was time-consuming and error-prone.
- **Contribution:** Developed a multi-functional app with real-time inventory tracking and production capacity calculation.
- **Outcome:** Enhanced operational efficiency and reduced manual documentation processes by 40%.

Netflix: - Movie Directory Website

- Movie Directory [Website Development](#) using [TypeScript](#), [React](#), [Material UI](#) ensuring enhanced UX with quick load times.
- External [API integration](#) enabling users to browse/search & view movie details.
- Integrated [payment gateway](#) with [Stripe](#) for recurring subscription payments, resulting in a streamlined payment experience for users.
- Used [Cloud Backend](#) with [Firebase](#) for Authentication and maintaining payment records for [Stripe](#) (using Stripe Web-hook)

Quack Chat: - Real-time Chat Application

- Developed [a real-time chat application](#) using [React](#) and [Firebase](#), allowing users to create an account, search for other users and chat in real-time.
- [Added Authentication & Image/File Storage](#) with [Firebase & Firestore](#), allowing secured chats & image previews for authenticated users.

SkyNet: - Weather Application

- Weather App Development: [Developed a responsive weather app](#), leveraging React and weather APIs for data integration, offering comprehensive weather information and forecasts worldwide.
- UI Design: [Designed an intuitive and visually appealing user interface](#), enhancing user experience and accessibility.