AHMAD RAZA

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Summary

Innovative Software Engineer with 3+ years of experience designing and building scalable business applications and enterprise software. Expert in developing robust REST APIs and optimizing relational databases including SQL Server and PostgreSQL. Proven track record of reducing technical debt and improving system reliability within cross-functional scrum teams while leveraging cloud computing platforms like Azure and AWS.

Work Experience

Co-Founder & Full Stack Developer *February 2026 – August 2026*
TEK480, LONDON, UK (REMOTE)

- Designed high-performance backend modules for a confidential SIP software platform using C++ and Object-Oriented Design principles to ensure reliability.
- Built and maintained scalable production-oriented software with an emphasis on secure data access, leveraging Docker and VPS hosting for enterprise-grade deployability.
- Delivered full-stack engineering solutions across Next.js and REST APIs, focusing on reducing internal friction points in the software delivery lifecycle.
- Improved infrastructure monitoring and reliability using Cloudflare and PostgreSQL to optimize data flow within enterprise cloud environments.

Full Stack Developer *August 2023 – September 2026*
TECHLOSET SOLUTIONS, FAISALABAD, PAKISTAN

- Designed and built scalable business applications for enterprise clients using React and Next.js, incorporating Angular-aligned design patterns for high modularity.
- Improved system performance by 30% through the development and optimization of high-performance REST APIs and GraphQL interfaces while actively reducing technical debt.
- Managed cloud computing infrastructure on Azure and AWS, automating application deployments via CI/CD pipelines to ensure 99.9% environment uptime.
- Contributed to cross-functional scrum teams to deliver feature-rich enterprise software, utilizing SQL Server and PostgreSQL for complex relational database management.

Additional Skills

Languages & Frameworks: C#, ASP.NET Core, Angular, React.js, Next.js, Node.js, TypeScript, JavaScript (ES6+), C++, Python, Vue.js, Express.js

Cloud & DevOps: Azure, Azure DevOps, AWS (EC2, S3), CI/CD Pipelines, GitHub Actions, Docker, GitHub Copilot, DigitalOcean, Cloudflare

Databases & Architecture: SQL Server, PostgreSQL, Relational Databases, REST APIs, GraphQL, MongoDB, Prisma, Object Oriented Design, Scalable API Architecture

Tools & Methodologies: Scrum, Agile, Technical Debt Reduction, Jira, ClickUp, Trello, Postman, VS Code

Projects

Aura (Meditation App)

Worked on a large-scale meditation app with over 10M+ downloads and 200k+ active users. Contributed to maintaining and improving a highly optimized codebase, focusing on performance (avoiding unnecessary re-renders and preventing memory leaks). Implemented and shipped new features based on experimentation, ensuring smooth integration with the existing system. Actively handled bug fixing and improved app stability by monitoring error logs and resolving issues efficiently. Used BugSnag for real-time error tracking and debugging, and Mixpanel for event tracking and user behavior analysis. This helped in identifying user issues.

Technologies: React Native, BugSnag, Mixpanel

Loosid (Dating Web App)

Worked on refactoring and improving an existing dating web application. Initially built in React, I migrated the app to Next.js to improve performance, routing, and overall structure. Refactored large parts of the codebase to make it more maintainable and scalable. Redesigned the landing page twice based on client requirements, focusing on better UI/UX and conversion. Worked independently without a formal code review process, which helped me strengthen my problem-solving and logic-building skills. Based on my work and contributions, I was offered a permanent role by the client.

Technologies: React, Next.js

Insta CV (CV Builder Web App)

Built a full-stack CV creation web app from scratch, inspired by an open-source resume project. Developed both frontend and backend independently. Frontend was built using Next.js, where users could create and customize their CV through a drag-and-drop interface. Implemented a canvas-based preview system to display the CV in real time. Backend was developed using NestJS, handling data management and overall application logic. The app included a CV builder board where users could add, arrange, and edit components dynamically.

Technologies: Next.js, NestJS

Loosid Sober Recovery (Mobile App)

Worked on a recovery-focused mobile app with over 200k downloads, aimed at helping users overcome alcohol addiction. Integrated AI-powered chat and voice features to enhance user support and engagement. Contributed to building and shipping new features within the existing app. Additionally, developed a standalone AI-based mobile application from scratch using React Native (Expo), focused on extending the platform's AI capabilities.

Technologies: React Native, Expo

Loosid SAM AI (Voice and Chat)

Developed the backend for the SAM AI feature of Loosid Sober Recovery, enhancing user support with AI chat and voice Agent. Built an AI chat system in Node.js using AWS Bedrock LLM, which tracks user interactions and sends notifications and reminders in case of relapse, personalized reminders based on user activity. Developed a high-speed voice agent using LiveKit, LangChain, and Amazon Polly, delivering near real-time responses and outperforming the client's previous slow, socket-based solution. The project delivered a responsive, high-performance AI assistant that the client praised for speed and reliability.

Technologies: Node.js, Python, AWS Bedrock LLM, LiveKit, LangChain, Amazon Polly