

# Rahim Chaudhary

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Full Stack Developer | Next.js | NestJS | PostgreSQL | Voice AI

## PROFESSIONAL SUMMARY

Full-stack developer with 1+ years shipping production features across a healthcare social platform (Next.js, NestJS, PostgreSQL, Prisma) and an AI content platform integrating 5 live Voice AI agents (Retell AI) serving 200+ users. Strengthens applications with security infrastructure (AWS WAF, Shield, CloudFront, JWT/OAuth) and collaborates closely with design and DevOps teams to deliver secure, performant user experiences. Promoted to Associate Software Engineer within 3 months for consistent delivery and code quality.

## TECHNICAL SKILLS

**Programming Languages:** C, C++, JavaScript, TypeScript  
**Frontend:** ReactJS, Next.js, HTML, CSS, Tailwind CSS, Zustand  
**Backend:** Node.js, NestJS, Express.js, RESTful APIs, WebSockets, JWT, OAuth 2.0  
**Databases:** MongoDB, PostgreSQL, Redis, Prisma, TypeORM  
**AI Tools:** Retell AI, Claude Code, Cursor, GitHub Copilot, V0, Lovable  
**Developer Tools:** Git, VS Code, Visual Studio, Postman, Swagger

## PROFESSIONAL EXPERIENCE

### Techtimize

Associate Software Engineer

Lahore, Pakistan

November 2025 – Present

#### Projects:

**CWS** – Contractor Website Services | React, NestJS, Redis, BullMQ

- Developed production features for an **AI content generation platform** used by **200+ users**, contributing to frontend and backend functionality
- Integrated **5 production Voice AI agents** using **Retell AI**, replacing static intake forms with conversational phone interactions for content discussions, verification, approvals, service mapping, and geographic data collection
- Built an automated AI callback scheduling system using **Redis** and **BullMQ**, enabling scheduled calls, automatic retries for failed attempts, and end-to-end call status tracking
- Built a calendar dashboard displaying team members' daily calls and meetings with client details, call outcomes, and durations
- Built **Mission Control**, a centralized live dashboard for monitoring AI agent activity and reviewing AI actions before they go live

**Brillix** – Healthcare Community Platform | Next.js, NestJS, PostgreSQL, Prisma | [Live Link](#)

- Developed production features for a social media platform using **Next.js**, **NestJS**, **PostgreSQL**, and **Prisma**, contributing across frontend and backend development
- Implemented real-time post comments using **WebSockets** and push notifications for likes, comments, community joins, and invitations
- Built an admin dashboard with user and application insights, integrating **React Big Calendar** for event scheduling with **Google Maps** location picker for event creation
- Implemented **JWT authentication**, **API rate limiting**, **reCAPTCHA**, **honeypot protection**, and **CSP** to strengthen application security
- Optimized large post feeds using **list virtualization** and **infinite pagination** to reduce unnecessary rendering; improved accessibility across core user flows using **Lighthouse** audits
- Integrated **Amazon S3** for file uploads and collaborated with DevOps on **AWS WAF**, **Shield**, and **CloudFront** to enhance application security and content delivery

### Software Engineer Intern

August 2025 – November 2025

#### Projects:

**Brillix** – Healthcare Community Platform | Next.js, TypeScript, Tailwind CSS, Zustand | [Live Link](#)

- Built the Brillix frontend using **Next.js**, **TypeScript**, **Tailwind CSS**, and **Zustand**, implementing the complete user onboarding flow, core pages, and reusable UI components

- Developed a complex Reddit-style comment section with nested replies, voting, expand/collapse interactions, real-time updates, and pagination
- Translated **Figma** designs into responsive, production-ready interfaces across desktop and mobile breakpoints
- Implemented skeleton loading states, lazy loading, and **Zod**-based form validation to improve frontend performance and user experience
- Built the post creation flow with a rich text editor using **Tiptap**, including draft support
- Collaborated with designers and developers through UI review cycles to refine components and maintain frontend consistency
- Promoted to Associate Software Engineer after **three months** based on consistent delivery, code quality, and performance

## PROJECTS

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### **Pakistani Panorama (FYP) | MERN, Redis, JWT, OAuth 2.0 | [Live Link](#)**

- Developed a MERN-stack web application to centralize travel data and tourist locations across Pakistan
- Leveraged **Google Places API** with **Redis** caching to reduce API requests and improve application performance
- Secured user authentication using **JWT** tokens and **Google OAuth 2.0**, stored in **HTTP-only** cookies for enhanced security
- Built a Travel Assistant **Chatbot** to guide users through trip planning and destination discovery

## EDUCATION

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### **University of Central Punjab**

*Bachelor of Science in Computer Science*

Lahore, Pakistan

*2021 – 2025, **CGPA: 3.24***

## CERTIFICATIONS

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**AWS Academy Cloud Foundations**, AWS, 2024

**Claude 101**, Anthropic, 2026

**JavaScript Essential Training**, LinkedIn, 2023

**Introduction to Web Design and Development**, LinkedIn, 2023