

Abdul Rehman Memon

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Career Objective

Passionate Full Stack Developer with expertise in MERN, Next.js, AWS, and AI/ML. Experienced in building scalable web applications, integrating AI solutions, and collaborating using Git. Seeking to leverage my skills in cloud infrastructure and large language models to contribute to innovative projects at a leading tech company.

Education

B.Sc. in Computer Sciences, NUST

Expected 2026

CGPA: 3.92/4.0

Skills

Programming Languages & Technologies:

- **Frontend:** Next.js, React.js, Redux Toolkit, TypeScript, Tailwind CSS, Material-UI, Framer Motion
- **Backend:** Node.js, Express.js, Prisma ORM, WebSockets, RESTful APIs, Go, DRF
- **Databases:** PostgreSQL, MongoDB, MySQL, Redis, Supabase
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, RDS, DynamoDB, S3, SQS, SES, API gateway etc), Docker, CI/CD, Vercel, CDK, terraform
- **AI/ML & Tools:** Large Language Models (LLMs), RAG Architecture, OpenAI API, Jest, Cypress, Git/GitHub
- **Others:** Sanity CMS, WebRTC, Socket.io, Nodemailer
- **Learning:** Go Lang

Experience

Software Engineer, Alfabolt (Hybrid)

Dec 2025 – Present

- Led development of an internal sales automation tool to streamline lead tracking and outreach
- Built and maintained web scrapers for platforms like Wellfound and Y Combinator to extract startup and company data
- Worked on multiple client projects, collaborating closely with stakeholders to deliver features end-to-end

Full Stack Engineer, Brainbox Automations (Remote)

Apr 2025 – Dec 2025

- Led end-to-end development of client projects with full ownership, handling architecture, implementation, deployments, and production support
- Built and optimized cloud infrastructure on AWS (EC2, Lambda, S3, DynamoDB, Cognito) and set up robust CI/CD pipelines for automated testing and deployments
- Worked directly with clients to gather requirements, deliver scalable solutions, and integrate CMS-driven workflows and optimized data pipelines
- Integrated LLM-based features and third-party services including Google Ads, Meta (Facebook) Ads APIs, Stripe payments, and authentication systems
- Deployed background workers and scheduled jobs (CRON) to process asynchronous tasks, track execution state in DynamoDB, and monitor external API workflows

Software Engineer, Infinity Beyond (Remote)

Nov 2024 – Jan 2025

- Built scalable backend APIs using Flask and integrated with AWS cloud services
- Implemented Redis caching mechanism

- Deployed containerized applications using Docker and managed CI/CD pipelines

Next.js + Django Developer, Asteramind (Remote)

Sep 2023 – Oct 2024

- Developed and deployed complete SaaS application with integrated payment processing
 - Integrated third-party APIs and implemented authentication systems using JWT
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Projects

AST-Based Interpreter in Go

[https://github.com/
ABDREHMAN6224/interpreter](https://github.com/ABDREHMAN6224/interpreter)

- Built a custom interpreter in Go using an Abstract Syntax Tree (AST) for parsing and semantic analysis
- Implemented lexical analysis, recursive descent parsing, and AST traversal
- Designed symbol tables and type-checking mechanisms to ensure correctness and extensibility

High-Performance Redis Clone (code crafters challenge)

- Built complete Redis server clone in Go supporting core commands and data structures
- Implemented TCP networking, persistence, and replication features from CodeCrafters curriculum
- Achieved 99% compatibility with Redis protocol and optimized for concurrent client handling

eSIM Marketplace Web Application

[https://github.com/
ABDREHMAN6224/esim-website](https://github.com/ABDREHMAN6224/esim-website)

- Full-stack e-commerce platform for digital eSIM sales with Stripe payment integration
- Implemented user authentication, order management, and automated email notifications
- Integrated Sanity CMS for dynamic content management and inventory tracking

LeetCode Clone Backend System

[https://
github.com/ABDREHMAN6224/
leetcode-clone](https://github.com/ABDREHMAN6224/leetcode-clone)

- Architected scalable distributed system with WebSocket servers and worker nodes
- Implemented secure code execution environment supporting multiple programming languages
- Integrated Cloudflare R2 storage for test cases and submission management

Nooru Business Web Application

[https://nooru-web-app-arm.
vercel.app](https://nooru-web-app-arm.vercel.app)

- Custom business platform built for Fiverr client using Next.js and NextAuth authentication
- Deployed on with automated email services using Nodemailer
- Implemented responsive design and SEO optimization resulting in improved search rankings

Gone But Never Forgotten

[https://github.com/
ABDREHMAN6224/fiverr-1](https://github.com/ABDREHMAN6224/fiverr-1)

- Compassionate memorial website with Clerk authentication and secure file management
- Integrated Cloudflare R2 for media storage and automated notification system
- Built with accessibility standards and mobile-responsive design principles

CropConnect Platform

[https://github.com/
ABDREHMAN6224/CropConnect](https://github.com/ABDREHMAN6224/CropConnect)

- Social platform connecting farmers for resource sharing and agricultural collaboration
- Implemented real-time messaging, geolocation services, and community forums
- Integrated weather APIs and crop management tools with intuitive farmer-focused UI

Data Structures & Algorithms Visualizer

[https://
dsa-visualizer-arm.
netlify.app](https://dsa-visualizer-arm.netlify.app)

- Educational MERN application with interactive algorithm visualizations and animations
- Implemented complex tree structures, sorting algorithms, and heap operations