Ghulam Ilyas

Lead Software Engineer (MERN Stack)

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PROFESSIONAL SUMMARY

Lead Software Engineer with approximately 5 years of experience building scalable, production-grade web applications. Specialized in React.js, Next.js, Node.js, and MongoDB with strong expertise in REST APIs, authentication, performance optimization, blockchain integrations, AI model training / integration, and cloud deployment (AWS, Docker). Proven track record of improving deployment speed by 40% and developing high-availability systems handling real-time data and external API integrations.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript
Frontend: React.js, Next.js, Redux, Tailwind CSS, HTML5, CSS3
Backend: Node.js, Express.js, REST API, GraphQL, JWT Authentication, OAuth
Databases: MongoDB, MySQL, Mongoose ORM
DevOps & Cloud: AWS (EC2, S3), Docker, CI/CD, Git, Linux
Architecture & Concepts: MVC Architecture, API Integration, Webhooks, Caching, Error Handling, Rate Limiting
Other: Solidity, Web3, React Native, WebSockets, n8n, AI Integration, Model Training, TTS, Postman, GitHub, VS Code

PROFESSIONAL EXPERIENCE

Full Stack Developer | AI Integration & Model Training — S&S Coaching and Consulting Services

July 2026 – Present · Remote

- Build and ship full-stack product work for SnSCCS training platforms — snsccs.com and smartprep.snsccs.com.
- Develop SNS Smart Prep features including AI Study Buddy / AI coach flows, exam prep UX, and learning resources.
- Integrate AI-powered solutions into production web apps for PMP and certification training workflows.
- Train and fine-tune AI models, including TTS models for voice cloning and learning experiences.

Lead Software Engineer — Altaurux

January 2025 – July 2026 · Remote

- Lead full-stack and blockchain delivery for production products using React, Node.js, MongoDB, and Solidity.
- Own architecture decisions, code reviews, and clean modular patterns across the engineering team.
- Ship automation-minded features spanning web apps, APIs, and on-chain integrations.
- Mentor developers and drive performance, reliability, and shipping cadence.

Software Engineer / Full Stack Developer — Altaurux

February 2023 – January 2025 · Islamabad · Remote

- Developed scalable MERN stack features used by production users, improving workflow efficiency.
- Designed RESTful APIs with authentication and validation handling high-frequency requests.
- Reduced deployment time by 40% by containerizing applications using Docker and deploying on AWS EC2.
- Implemented modular reusable React components improving maintainability.
- Optimized MongoDB queries and indexing improving API response time.
- Participated in code reviews and enforced clean architecture practices.

Full Stack Developer — Freelance

January 2022 – January 2023 · Remote

- Built custom full-stack web applications using MERN stack for international clients.
- Developed reusable UI component libraries with high reusability.
- Integrated third-party APIs including payment gateways and external services.
- Delivered multiple projects within deadlines and client specifications.

React Developer — Carrypixel
February 2022 – September 2022 · Remote

- Developed employment-platform frontends with React, TypeScript, Tailwind CSS, and SASS.
- Implemented Redux for global state and custom hooks for forms, modals, and pagination.

Frontend Developer — Encoder Squad
August 2021 – February 2022 · Remote

- Converted Figma designs into responsive sites with HTML, CSS/SCSS, Bootstrap, and JavaScript.
- Collaborated with senior engineers on React and Redux features from scratch.

PROJECTS

SNS Smart Prep — AI Certification Prep Platform
Tech: Full Stack, AI Integration, EdTech · smartprep.snsccs.com

- Built smart learning platform features including AI Study Buddy / exam coach, exam simulator, video lessons, practice questions, and project artifacts for PMP prep.

SnSCCS — Training & Consulting Website
Tech: Web Development, Full Stack · snsccs.com

- Contributed to the strategic PMP certification and corporate project management training web presence for SnSCCS.

AI Assistant Automation (n8n)
Tech: n8n, OpenAI, Telegram Bot, Google Sheets, REST APIs, Code Nodes

- Built a multi-workflow AI assistant automation on n8n covering Personal ops, DeckleHub integration, and Arid ISP flows.
- Orchestrated schedule triggers, Telegram bot interactions, Google Sheets sync, LLM/code processing, and HTTP API integrations into one production automation pipeline.

Theta Vibes — Content Creator Platform
Tech: React, Node.js, MongoDB, Solidity, Payment Integration

- Built subscription and pay-per-view system with secure transactions, wallet integrations, and role-based access control.

Swoop — Private Aviation Management System
Tech: MERN Stack · swoopseats.com

- Developed booking, crew management, and aircraft operation modules with scalable API architecture.

Safra Tourism — Travel Planning App
Tech: MERN, Google Places API, Viator API · safra.io

- Integrated third-party travel APIs to automate itinerary planning and dynamic search.

Crypto Signal — Real-Time Trading Dashboard
Tech: React, WebSockets, Binance API · prcisesignal.com

- Built real-time trading signal dashboard with live market data and sentiment analysis.

Whale Transaction Bot
Tech: Node.js, Solana Web3, Telegram Bot

- Monitored blockchain transactions and sent instant alerts for large on-chain movements.

Crypto Wallet App
Tech: React Native, TypeScript, GraphQL · Frontend: crypto-wallet-web · Backend: crypto-wallet-backend

- Implemented secure wallet transactions via username or address with realtime balance updates.

ACHIEVEMENTS

- Reduced deployment time by 40% using Docker and AWS
- Built multi-workflow AI assistant automation with n8n (Telegram, Sheets, OpenAI, API integrations)
- Built real-time blockchain monitoring system with alert automation
- Developed secure subscription-based payment platform

EDUCATION

Bachelor of Information Technology — Bahauddin Zakariya University (2018 – 2022)

LANGUAGES

English · Urdu