ZEESHAN ZUBAIR

Tech Lead | Full-Stack Engineering, Backend Architecture & AI Integrations

Islamabad, Pakistan | Open to remote roles and relocation

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SUMMARY

Tech Lead with 7+ years of experience building and shipping production web platforms. Currently lead a team of 3 full-stack and QA engineers on Tweet, a paid-membership social media platform with about 7,000 paying members, reporting to the client CTO. Hands-on across feed systems, Stripe and PayPal payments, rate limiting, multi-tenant SaaS, microservices, and LLM integrations (RAG, agentic AI). Interview and help select engineering hires, run sprint planning, and hold 1:1s with team members. Two-time Star Performer of the Year at NMX Global Software.

WORK EXPERIENCE

Tech Lead | Red Buffer **Jun 2025 - Present**

Lead engineering for client products at a software services company, owning architecture, delivery, and production releases. Led 3 client platforms in succession: Enluma HealthCare, Continuas AI, and currently Tweet. Also built an internal proof of concept for RAG workflows that generate context-aware LLM responses.

Key client engagements

Tweet (Operation Bluebird, Inc.), *paid-membership social media platform*

- Lead a team of 3 full-stack and QA engineers on a live platform serving about 7,000 paying members plus free users; report directly to the client CTO.
- Drive sprint planning, task breakdown, and delivery; conduct technical interviews, contribute to hiring decisions, and hold regular 1:1s to support and mentor team members.
- Own development of the core feed, the platform's central product surface for posting, replies, retweets, and following people and hashtags.
- Built the membership payment system with both Stripe and PayPal, handling paid sign-ups for the platform's membership tiers.
- Implemented API rate limiting to protect platform stability and limit abuse on a public-facing consumer product.
- Built the internal admin panel used to manage and configure the platform.
- Integrated Vera, the platform's existing content-analysis engine, into the product.

Continuas AI, *sales productivity platform*

- Led a team of up to 5 engineers delivering a platform that integrates enterprise email and scheduling with AI-driven automation.
- Integrated Gmail and Outlook email pipelines with full calendar synchronization.
- Built LLM-powered smart reminders and email template generation.
- Designed the multi-tenant NestJS backend and led production deployment on GCP, including load testing and CI/CD pipelines.

Enluma HealthCare, *AI-driven patient intake and follow-up suite*

- Led architecture, development, and delivery for two agentic AI products with a team of 3 engineers.
- **Consult+:** built an agentic AI system that collects pre-consultation patient details through speech-to-text and text-to-speech.
- **Aftercare+:** built an AI workflow that gathers and analyzes patient feedback after consultations.
- Implemented encryption of data in transit for patient interactions.

Senior Software Engineer | NMX Global Software, Inc. **Nov 2020 - Mar 2025**

- **The Hubbub** (video learning platform for universities and organizations): led backend architecture for a greenfield, multi-tenant microservices platform of about 7 services serving multiple institutions, leading 4 backend engineers within a 10-person project team.
- Built The Hubbub's NestJS and GraphQL APIs for video streaming, analytics, and content management.
- **Softcoster** (ERP for project planning, staffing, and resource allocation): designed a multi-tenant backend with isolated client environments; defined GraphQL service contracts across microservice modules and led architectural R&D on scalability and maintainability.

- **McKinsey Numetrics** (client R&D planning and resource simulation platform): worked on the core planning synthesis engine for portfolio forecasting using Java and the Spring Framework.
- Set up automated CI/CD with AWS Copilot and AWS CodePipeline, standardizing deployments across projects.
- Built backend services with TypeScript, Node.js, NestJS, Express, Hapi, Apollo GraphQL, PostgreSQL, MongoDB, and Docker, and used NPM Workspaces to share code across services; contributed React frontend work.
- Named **Star Performer of the Year** in 2021 and 2022 for consistency and outstanding performance.

Software Engineer | SIQA Software Services **Feb 2019 - Nov 2020**

- Built responsive user interfaces with React and Redux, and backend services with Node.js, Express, and TypeORM.
- Integrated AWS Lambda, SES, and S3 for serverless processing, transactional email, and file storage.

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, Java, SQL, GraphQL, HTML/CSS
- **Backend:** Node.js, NestJS, Express, Hapi, Spring Framework, Apollo GraphQL, REST APIs, WebSockets, Microservices, Multi-Tenant Architecture, Rate Limiting, Encryption in Transit
- **Frontend:** React, Next.js, Redux
- **Databases & ORMs:** PostgreSQL, MongoDB, Redis, Oracle, Sequelize, TypeORM, Prisma, Mongoose
- **Cloud & DevOps:** AWS (Lambda, S3, SES, SQS, EC2, ECS, RDS, CloudFormation, CodePipeline, Copilot), GCP, Docker, CI/CD, Git, NPM Workspaces
- **Payments & Integrations:** Stripe, PayPal, Gmail and Outlook APIs, Calendar Sync, Firebase Cloud Messaging
- **AI & LLM:** RAG, Agentic AI Workflows, OpenAI API, Gemini, Speech-to-Text, Text-to-Speech
- **Leadership & Practices:** Technical Leadership, Mentoring, System Design, Technical Interviewing & Hiring, Sprint Planning, 1:1s, Client & Stakeholder Communication, Agile

EDUCATION

Bachelor of Science in Computer Science **Sep 2015 - Jul 2019**

University Institute of Information Technology, PMAS Arid Agriculture University, Rawalpindi | CGPA 3.58 / 4.00