Hunain Jamil

Engineering Manager · Principal Product Engineer

hunainjamil3@gmail.com · +923049684818 · linkedin.com/in/hunain-jamil · hunain-jamil.com

PROFILE

Hands-on engineering manager and principal product engineer with 7+ years of backend and product engineering experience across SaaS, AI, automation, cloud products, and startup environments. Promoted from Lead Software Engineer to Engineering Manager and led a distributed engineering organization of 20+ people delivering 5+ products concurrently. Experienced in hiring, technical roadmaps, system design, architecture reviews, code quality, debugging, and cross-functional delivery while remaining an active builder.

EXPERIENCE

Founder & Principal Product Engineer

Nov 2025 — Present

COTECH & REEVA · REMOTE

- Building Reeva, an AI voice receptionist for US dental practices that handles inbound calls and appointment-booking workflows.
- Own product discovery, voice-agent behavior, backend architecture, integrations, reliability, technical delivery, and customer workflow design end to end.
- Lead product-engineering and automation engagements from problem definition through deployment and ongoing improvement.

Lead & Senior Software Engineer

Jan 2025 — Apr 2026

TOPTAL · REMOTE

- Built an enterprise WhatsApp automation platform processing millions of messages with BullMQ, Redis, Socket.IO, multi-number routing, and real-time delivery.
- Architected an AI voice SaaS platform for medical and dental clinics using ElevenLabs, FastAPI, and AWS Chime SIP trunking.
- Developed an insurance quote aggregation engine integrating six carriers with circuit-breaker patterns and sub-second response targets.

Engineering Manager

Sep 2024 — Aug 2025

THEHEXATOWN · LAHORE, PAKISTAN

- Promoted from Lead Software Engineer and led a distributed engineering organization of 20+ people delivering 5+ products concurrently.
- Owned delivery, hiring, team allocation, technical roadmaps, and code-quality standards while staying hands-on through architecture reviews and debugging.
- Oversaw AI, SaaS, computer vision, OCR, and Web3 products, including Ayin DEX, which scaled to 100K+ active users.

Lead Software Engineer

Sep 2023 — Aug 2024

THEHEXATOWN · LAHORE, PAKISTAN

- Served as solution architect for Ayin DEX and led delivery across an NFT marketplace, AI workout coach, computer-vision application, and accounting OCR system.
- Owned architecture, implementation planning, code standards, technical troubleshooting, and cross-functional delivery.

Senior Software Engineer

Oct 2022 — Sep 2023

EXARTA · LAHORE, PAKISTAN

- Built virtual shopping assistants, a multilingual audio translation service, and Unreal Engine Pixel Streaming experiences.
- Managed and mentored two junior engineers through technical direction, work reviews, and implementation support.
- Worked across Three.js, WebGL, PlayCanvas, AWS, Kubernetes, Solidity, and Solana.

Full-Stack Developer / Technical Lead

May 2020 — Oct 2022

GOALLY · LAHORE, PAKISTAN

- Built web and mobile features for a healthcare SaaS platform serving users with ADHD, autism, and cognitive disabilities using React, React Native, Node.js, and AWS.
- Expanded into implementation guidance, requirement breakdown, technical reviews, and delivery support across multiple products.

Independent Full-Stack Developer

Sep 2017 — Jul 2022

UPWORK · REMOTE

- Delivered 10+ international client projects across SaaS, e-commerce, mobile applications, and workflow automation.
- Owned discovery, planning, implementation, deployment, and support for MVPs and production systems, earning repeat engagements and long-term retainers.

EDUCATION

Bachelor of Science in Computer Science

2018 — 2022

THE SUPERIOR UNIVERSITY · LAHORE, PAKISTAN

CAPABILITIES

Engineering Leadership	Engineering management · Hiring · Team allocation · Technical roadmaps · Mentoring · Code reviews · Delivery ownership
Product & AI	AI voice systems · Product discovery · Workflow automation · Computer vision · OCR · Healthcare SaaS · Zero-to-one product development
AI & Voice	Voice AI · Conversational systems · STT / TTS · Deepgram · ElevenLabs · Cartesia · AWS Bedrock · SIP / Telephony
Backend & Systems	Python · FastAPI · Flask · Node.js · TypeScript · API design · Object-oriented design · Distributed systems · Troubleshooting · System design
Data & Messaging	PostgreSQL · MongoDB · Redis · BullMQ · MySQL · DynamoDB · SQS · EventBridge
Cloud & Infrastructure	AWS · Docker · Kubernetes · Redis · BullMQ · Socket.IO · AWS Chime · SIP integrations · ECS / Fargate · CloudWatch
Frontend	React · Next.js · React Native · JavaScript · TypeScript · Three.js · WebGL