

Hamza Ali Khalid

Software Engineer | Backend Engineer | AI & SaaS Systems

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PROFESSIONAL SUMMARY

Software Engineer with 7+ years of experience building scalable backend systems, SaaS platforms, and AI-powered applications. Experienced in designing high-performance APIs, real-time systems, and cloud-based architectures used by thousands of users globally.

Lead backend developer for large-scale multilingual platforms including LetzChat and GPTTranslator, delivering production systems capable of processing 300M+ events per month. Strong background in Node.js, distributed systems, AI integrations, and cloud infrastructure.

CORE SKILLS

Backend Development

Node.js, Express.js, FastAPI, REST APIs, Microservices

Programming Languages

JavaScript, TypeScript, Python

Frontend Development

React.js, Next.js

Databases

PostgreSQL, MySQL, MongoDB, DynamoDB, Supabase, Redis

Cloud & DevOps

AWS, Docker, CI/CD, Nginx, Vercel

AI & Machine Learning

OpenAI APIs, Generative AI, LLM Integrations, AI Agents

System Architecture

Event-Driven Systems, WebSockets, Real-Time Systems, SaaS Architecture

Other Tools

Tesseract OCR, API Security, RBAC Systems

PROFESSIONAL EXPERIENCE

Senior Software Engineer

LetzChat Inc. — Remote (California, USA)

Sep 2022 - Present

- Designed and implemented backend systems powering AI-based multilingual communication platforms.
- Built scalable APIs supporting translation workflows across websites, documents, voice calls, and meetings.
- Developed real-time services handling 300M+ monthly events with high reliability.
- Implemented monitoring systems, analytics dashboards, and operational tooling.
- Integrated AI technologies including OpenAI, Whisper, and speech-processing services.
- Worked with cross-functional teams to deliver production-grade SaaS features.

Software Engineer

EmporionSoft Pvt Ltd — Lahore, Pakistan

Jan 2020 - Sep 2022

- Developed backend services and APIs for SaaS products using Node.js and Express.js.
- Built authentication systems, payment integrations, and role-based access control.
- Designed admin dashboards and analytics tools for operational insights.
- Implemented modular architecture that improved code reusability across projects.

SELECTED PROJECTS

LetzChat Multilingual Platform

Developed infrastructure supporting multilingual communication across websites, voice calls, meetings, and documents.

Impact:

- Processes 300M+ events per month
- Enables global content localization at scale

GPTTranslator.co

Built AI-powered translation SaaS platform supporting multiple document formats and automated workflows.

Impact:

- 17K+ users
- Advanced analytics dashboards and admin tools

LetzChat Shopify Translation App

Engineered embedded Shopify application enabling multilingual storefront switching.

Impact:

- Automated localization setup for merchants
- OAuth integration with secure API access

LetzChat Glossary Management System

Developed enterprise glossary management system ensuring translation consistency.

Impact:

- Improved terminology consistency across multilingual outputs

ADDITIONAL ACHIEVEMENTS

- Built multiple AI-powered SaaS platforms from concept to production
- Integrated APIs including OpenAI, Whisper, Twilio, Shopify, and Stripe
- Developed real-time systems using WebSockets
- Designed multi-tenant SaaS architectures
- Implemented automation systems improving operational efficiency

EDUCATION

Bachelor of Science in Computer Science

NCBA&E

2018 - 2022

PORTFOLIO

www.hamzaig.com