

MUHAMMAD BILAL

Full-Stack Engineer

Karachi, Pakistan | +92-326-7099-352 | bilalkhalid.dev@outlook.com
bilalkhalidshaikh.vercel.app | linkedin.com/in/bilalkhalidshaikh

PROFESSIONAL SUMMARY

Delivering platforms that serve millions of users and drive measurable growth for global technology companies. 6+ years designing and scaling systems with distributed architectures, event-driven microservices, serverless computing, and cloud-native infrastructure on AWS and GCP. Skilled in large-scale API ecosystems (REST, GraphQL, gRPC), LangChain, and vector databases. Proven record leading teams, delivering on schedule, and building architectures that cut costs, improve reliability, and scale worldwide.

PROFESSIONAL EXPERIENCE

Full-Stack Engineer & Lead Developer

Achroweb Solutions — Florida, USA (Remote) | Jan 2023 – Present

- Built AI-powered platforms using Next.js, Supabase, and OpenAI, reducing manual workflows by 60%.
- Developed agentic pipelines with LangGraph & FastAPI, improving automation speed by 35%.
- Led a 5-member team, delivering features ahead of deadlines with zero major defects.

SaaS Engineer & Tech Architect

TFTSOL — Lahore, Pakistan (Remote) | Jan 2020 – Jan 2023

- Designed backend systems for SaaS products handling 1M+ API requests/month with 99.98% uptime.
- Designed and implemented multi-tenant architecture, enabling scalable growth to 50K+ active users.
- Optimized infrastructure, cutting hosting costs by 25%.

Tech Strategist & UI Innovator

Level Up Tech Studios — Islamabad, Pakistan (Remote) | Jan 2019 – Jan 2021

- Delivered responsive, SEO-first UIs with React & TailwindCSS, increasing organic traffic by 60%.
- Integrated real-time APIs, reducing latency by 35%.

EDUCATION & CERTIFICATIONS

Cloud Native & Mobile Web Computing — PIAIC | 2019 – 2022

Certified Agentic & Robotic AI Engineer — Panaversity | 2023 – Present

Bachelor's in Computer Science — GCUH | 2022 – Present

Capstone Project — Developed a serverless AI-driven analytics dashboard using AWS Lambda and OpenAI API.

TECHNICAL SKILLS & EXPERTISE

Full Stack & AI Superstack: Next.js, TypeScript, TailwindCSS, React Server Components, PWA, SSR/ISR, micro-frontends, AI-driven UX, predictive interfaces, generative design workflows, real-time collaborative UI; Node.js, FastAPI, Supabase, Firebase, REST/GraphQL, serverless microservices, autonomous AI pipelines; AWS, GCP, Docker, Kubernetes, CI/CD, Vercel, Terraform, multi-region zero-downtime deployments, MLOps; OpenAI SDK, LangChain, LangGraph, LLM fine-tuning, RAG, generative AI, autonomous agents, predictive automation; Git, GitHub Actions, automated CI/CD workflows

LANGUAGES

English — Fluent

Urdu — Native

German — Intermediate