

USMAN AHMED

Full Stack & AI Engineer

T: 92 333 4420834 / @: usman212285@gmail.com

PROFESSIONAL PROFILE

Senior Full Stack & AI Engineer with 4+ years of experience designing, developing, and deploying scalable web applications and intelligent AI systems. Deep expertise in LLM integration, Retrieval-Augmented Generation (RAG) pipelines, autonomous multi-agent orchestration (LangChain, LangGraph), and modern web stacks (MERN, LAMP, Python FastAPI). Proven track record in cloud-based architectures (AWS), RESTful API design, database optimization, and performance engineering. Adept at collaborating with cross-functional teams, mentoring developers, and delivering clean, maintainable, production-ready solutions.

CORE EXPERTISE

AI Engineering: LLM Integration, RAG Pipelines (LangChain, LlamaIndex), Multi-Agent Orchestration (LangGraph), Vector Databases (Pinecone), OpenAI API, Google Vertex AI, Azure ML

Frontend: React.js, Next.js, Vue.js, Angular, TypeScript, JavaScript, Tailwind CSS, shadcn-ui

Backend: Node.js, Express.js, PHP/Laravel, Python (FastAPI), REST APIs, QuickBooks Integration

Databases: MongoDB, MySQL, PostgreSQL, Vector DBs (Pinecone)

Cloud & DevOps: AWS (EC2, S3, Lambda, CloudFront, IAM), Docker, CI/CD pipelines, Linux

ML & Data: TensorFlow, PyTorch, Scikit-learn, NumPy, Pandas, OpenCV, Jupyter

Tools: Git, GitHub, Postman, VS Code, Vercel, AG Grid

CAREER SUMMARY

Senior Software Engineer | **Nextbridge Ltd.**, Lahore, PK

Nov 2025 – Present

Leading full-stack and AI engineering initiatives, architecting scalable systems and intelligent AI solutions across production applications.

- Designing and building AI-powered features: RAG pipelines, LLM integrations, and multi-agent workflows using LangChain and LangGraph
- Full-stack development with React.js, Next.js, Vue.js, Angular, Node.js, and Python FastAPI
- Architecting scalable system designs, database schemas, and cloud infrastructure
- Managing AWS infrastructure (EC2, S3, Lambda, CloudFront, IAM) and CI/CD pipelines
- Integrating third-party APIs and implementing complex business logic
- Mentoring junior developers and conducting rigorous code reviews

Key Achievement: Delivered AI-powered enterprise features and improved system performance across multiple production applications through architectural improvements and optimization.

Software Engineer | **Nextbridge Ltd.**, Lahore, PK

Jan 2024 – Nov 2025

Built and maintained robust web platforms using MERN, Laravel, and FastAPI technologies, focusing on performance, scalability, and third-party integrations.

- Developed RESTful APIs and integrated third-party services (payments, analytics, social platforms)
- Deployed backend systems on AWS infrastructure (EC2, S3, Lambda)
- Optimized database queries and application performance across MERN and LAMP stacks
- Integrated QuickBooks with Laravel, significantly improving data synchronization efficiency
- Developed custom AG Grid implementations for enhanced data visualization

Key Achievement: Achieved 75% reduction in error rates and 85% improvement in client satisfaction through systematic performance optimization and code quality improvements.

Associate Software Engineer | **Nextbridge Ltd.**, Lahore, PK

Jan 2023 – Jan 2024

Contributed to web platforms using PHP/Laravel and React.js, supporting systems serving high user volumes.

- Developed and maintained full-stack applications using Laravel, MySQL, and React.js
- Built RESTful APIs and responsive frontend interfaces
- Collaborated with cross-functional teams under Agile/Scrum methodologies

- Performed testing, debugging, and performance optimization

Key Achievement: Contributed to platforms serving 100,000+ users with measurable reliability and performance improvements.

Trainee Software Engineer | **Nextbridge Ltd.**, Lahore, PK

Oct 2022 – Dec 2022

Gained hands-on experience in full-stack web development, focusing on backend systems and API development using PHP/Laravel.

Software Engineer – Unity | **Game Storm Studios**, Lahore, PK

Jan 2022 – Sep 2022

Designed and developed high-performance games using Unity and C#, delivering full-featured game systems with significant performance gains.

- Designed and developed 5+ complete games including UI, animations, sound, physics, and AI
- Improved game frame rate by 60% and reduced loading times by 40% across multiple titles
- Fixed 100+ bugs and enhanced overall gameplay experience

Key Achievement: Delivered measurable performance improvements across an entire game portfolio, setting a new quality benchmark for the studio.

Game Developer | **IDEA Games**, Lahore, PK

Jun 2021 – Sep 2021

Started professional career in game development using C# and Unity, building foundational skills in collaboration with designers and artists.

- Developed game code using C# and industry-standard game engines
- Collaborated with designers and artists to implement gameplay features and fix bugs

KEY PROJECTS

Granit.AI — Enterprise Financial & Compliance Management Platform

- Vue 3, Python FastAPI, PostgreSQL, Docker, Tailwind CSS — AI-powered compliance and financial management system

iClear Wellness Platform — Mental Health & Wellness Application

- MERN Stack (MongoDB, Express.js, React, Node.js), AWS, Tailwind CSS — scalable mental wellness platform

BeRemote (ReTeam) — Employee Engagement Platform

- PostgreSQL, React, Node.js, PHP Laravel, AWS, Tailwind CSS — remote employee engagement and productivity platform

ReTeam Energy — AI-Powered Energy Management Platform

- TypeScript, React.js, FastAPI (Python), PostgreSQL, AWS S3, AI integration — intelligent energy management and analytics

Growth Tracker — HR Management System

- PHP Laravel, React.js, MySQL — comprehensive HR management and growth tracking solution

Tailwinds Management System — Aviation Management Platform

- PHP Laravel, Flutter, MySQL, Stripe, Tailwind CSS — full-suite aviation operations management system

DocuMind AI — Intelligent RAG Document Analysis Platform

- Next.js, Python FastAPI, OpenAI API, LlamaIndex, Pinecone, Docker, Tailwind CSS

InsightSync AI — Autonomous Multi-Agent Agentic Orchestrator

- React, Node.js, Express, LangChain, Gemini API, ChromaDB, WebSockets, Tailwind CSS

EDUCATION

BSc Computer Engineering | **University of Engineering & Technology**, Lahore, PK

2018 – 2022

CGPA: 3.1

FSc Pre-Engineering | **Government College University**, Lahore, PK

2016 – 2018

Marks: 93%

FURTHER DETAILS

Languages: English (full professional proficiency), Urdu (native)

Interests: AI engineering, exploring LLM applications, system design, content creation, open-source development

Portfolio: <https://usmanahmed-dev.vercel.app>

LinkedIn: [linkedin.com/in/usman-codenerd](https://www.linkedin.com/in/usman-codenerd)

GitHub: github.com/usmanahmed11