
Mirza Abdul Basit

Principal AI Full-Stack Engineer

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Professional Summary

I'm a full stack developer with a proven track record and hands-on experience of leading successful development projects and building high-performing teams. I focus on creating scalable web, mobile, and cloud applications using modern technologies like React, Next.js, Node.js, and Python, along with AI/ML tools and large language models (LLMs). I take pride in owning the entire development life cycle from concept to launch making sure every solution aligns with business goals and delivers real value. I'm passionate about innovation, simplifying processes, and consistently delivering clean, reliable, and on-time results.

Highlights

React	RAG (Retrieval-Augmented Generation)
Next.js	GEN AI - Prompt Engineering
TypeScript	Voice & Conversational AI (STT, TTS, VOICE BOTS)
Node.js	REST API, FastAPI
Django	AWS, GCP
Python	PostgreSQL, Vector Databases
Web & Mobile Development	Supabase (Auth, Realtime DB, Storage, Edge Functions)
LLMs	System Architecture

Work History

Principal Software Engineer Full Stack /AI Engineer
Fusion Byte System – Chesterfield, England (Remote) | 08/2025 - Current

- Engineered and enhanced LLM-powered **Generative AI** applications using **Python**.
- Built **prompt engineering** strategies to improve **AI response** quality and consistency.
- Integrated **OpenAI**, **LangChain**, **Hugging Face**, and other AI frameworks into scalable applications.
- Optimized ML models and deployments using **Docker**, **FastAPI**, and other frameworks.

- Experienced in API development (**FastAPI**, **Django**, **REST**) with strong API integration practices.
- Architected and delivered scalable full-stack and distributed systems across **front-end** and **back-end**.
- Built scalable backend APIs and services using **Node.js**.
- Experienced building or integrating AI-powered **SaaS** products.
- Deployed and managed applications in cloud environments, preferably **AWS** and **GCP**.

Lead Software Developer, Devworld – Gujranwala,
Punjab (**Remote**) | 02/2023 - Current

- Led the architecture and development of intelligent **customer support chatbots** using **OpenAI** and **LLaMA** models, capable of answering FAQs, handling order inquiries, and automating support workflows.
 - Built full-stack conversational agents using **Python** and **Django**, integrating **LLMs**, **vector databases**, and retrieval-augmented generation (RAG) pipelines for dynamic, context-aware responses.
 - Designed and deployed **text-to-speech (TTS)** and **speech-to-text (STT)** capabilities to create voice-enabled assistants using tools like **Whisper**, **Google SpeechAPI**, and open-source TTS engines.
 - Built secure and scalable backend services using **Django REST Framework**, managing API endpoints, user authentication, and conversation logging.
- Fine-tuned and optimized **LLaMA** and **OpenAI GPT** models to align with brand tone, reduce hallucinations, and improve domain-specific accuracy.

Senior Software Developer, 09/2022 - 02/2023

Digihub – Gujranwala, Pakistan

- Delivered modern, responsive user interfaces using **React** and **Next.js**, ensuring high-performance web applications.
- Built and maintained scalable back end systems using **Node.js**, managing application logic for web and mobile platforms.
- Developed cross-platform **mobile applications** using **React Native**, delivering consistent functionality and design across iOS and Android devices.
- Implemented back end services using **Django** and **FastAPI** to build efficient API-driven micro services systems tailored for both web and mobile applications.
- Contributed to full project life cycle—from planning to deployment—leading architecture decisions, improving codebase quality, and mentoring junior developers.

Full Stack Software Developer, 09/2021 - 09/2022

Webbuggs – Lahore, Punjab

- Developed and maintained end-to-end web and mobile applications using **React.js**, **Next.js**, **Node.js**, and **React Native**, ensuring consistent UI/UX across platforms.

- Led the architecture and deployment of scalable backend systems with **Node.js, Express, and MongoDB/PostgreSQL**.
- Designed and implemented APIs to support dynamic frontend features for both web and mobile clients.
- Demonstrated strong problem-solving abilities by quickly identifying and resolving defects, leading to increased application stability and user satisfaction.

Front End Developer, 08/2020 - 09/2021

Webbuggs – Lahore, Punjab

- Worked on **Shopify** and **Shopify Plus** to build and manage eCommerce solutions for diverse clients.
- Developed dynamic **WordPress** websites using **ACF Pro** and **Custom Post Types (CPT)** for tailored content management.
- Built custom **WordPress** themes and **PHP-based** solutions for fully customized websites.
- Designed and implemented large-scale **eCommerce** stores for high-traffic brands with complex functionality.
- Developed and **customized** Shopify Liquid themes, including full **custom themes** and tailored pre-built themes.
- Implemented **custom Shopify** functionalities based on client requirements to enhance user experience and sales.
- Optimized websites for performance, **responsiveness**, and **SEO**, improving usability and search engine rankings.

WordPress Developer, 10/2019 - 08/2020

Webbuggs – Lahore, Punjab

- Developed and implemented **WordPress** sites, **themes**, and **plugins** tailored to client requirements.
- Maximized **site performance** through regular **updates**, **security measures**, and **optimization techniques**.
- Customized **e-commerce solutions** for online businesses using **WooCommerce** plugin integration.
- Designed **responsive, mobile-first websites** based on provided design concepts.
- Completed full redesigns of existing websites to improve navigation, enhance visuals, and strengthen search engine rankings.

Education

Bachelor of Science: Software Engineering, 08/2019

Imperial University - Lahore, Pakistan

Languages

English

Arabic

Urdu