Salman Karim

Full-Stack AI Developer

Contact me

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Education

SZABIST University, Islamabad
Bachelors in Computer Sciences
September 2020 – June 2024

Certifications

- Generative AI with LangChain
- Building RAG Systems
- Advanced Python
- Cloud Fundamentals
- View all certifications

Summary

Software Engineer specialized in AI-integrated full-stack development. Experienced in building cloud-native web applications, AI-powered automation systems, and SaaS products using Python, LangChain, RAG, and n8n. Currently contributing to STZA, developing intelligent automation and data-driven solutions for digital transformation. Passionate about creating scalable systems that merge AI, automation, and modern engineering to deliver real-world impact.

Technical skills

- Python (Advanced), JavaScript, TypeScript, HTML, CSS, PHP
- **AI & Automation**: LangChain, OpenAI, Hugging Face, RAG, FastAPI, TensorFlow, OpenCV, n8n
- **Frontend**: React, Next.js, TailwindCSS, React Native
- **Backend**: Node.js, Express.js, Firebase, MongoDB, MySQL
- **DevOps & Tools:** AWS, Vercel, GitHub Actions, Cloudflare, Docker, DigitalOcean
- **Other Expertise:** Cloud-Native Architecture, Machine Learning, System Automation

Professional Experience

Special Technology Zones Authority (STZA), Islamabad, Pakistan
AI and Digital Solutions Engineer
October 2025 – Present

- Lead development of AI-powered automation systems and data-driven solutions for digital transformation initiatives.
- Integrate LangChain, RAG, and n8n workflows to enhance operational efficiency, data accuracy, and decision-making.
- Collaborate across departments to bridge technology, automation, and digital strategy for cohesive innovation.
- Contribute to web infrastructure optimization and internal digital tool enhancements.
- Apply AI and software engineering to solve real-world public sector challenges, driving transformation and efficiency.

Beyond Future Group, Islamabad, Pakistan
Full-Stack AI Developer
November 2024 – September 2025

- Designed and implemented AI-powered features across web apps using LangChain, OpenAI APIs, and Python backends.
- Built and deployed Next.js 14 and React Server Component applications with Firebase and Cloud Functions.
- Developed automation tools and RAG-based chat systems for workflow improvement.
- Managed end-to-end deployments on Vercel, AWS, DigitalOcean, and Cloudflare.
- Mentored interns on React best practices, API integrations, and AI-driven features.

ONDRA (Non-Profit Organization), Islamabad, Pakistan
AI & Web Developer
July 2024 – Present

- Developed intelligent web tools and AI chat assistants for research and outreach.
- Created backend automation services using Python, FastAPI, and Firebase Functions.
- Designed and deployed analytics dashboards integrating Google Cloud APIs.

Projects

LangGraph Studio
AI Workflow Engineer | May 2025 – July 2025
- Developed a visual workflow engine for AI automation using LangChain, LangGraph, and n8n.
- Implemented modular nodes for text analysis, retrieval, and summarization tasks with real-time dashboard analytics.
- Deployed scalable cloud pipelines integrating OpenAI and Firebase Functions for enterprise-level automation.

InsightFlow RAG System
AI Systems Developer | March 2025 – May 2025
- Built an intelligent document retrieval system using RAG architecture, FAISS vector stores, and LangChain.
- Enabled contextual search and LLM-driven summarization for organizational knowledge management.
- Optimized response latency and retrieval accuracy through custom embedding and caching strategies.

One-Stop-Shop App
Full Stack Developer | February 2024 – July 2024
- Built a full stack platform for seamless home service bookings using React.js and Node.js.
- Developed a robust backend with integrated service provider APIs for improved functionality.
- Implemented AI-driven features like intelligent chatbot support and personalized recommendations.

Creative Portfolio Website
Full Stack Developer | January 2024 – March 2024
- Designed and developed a personal portfolio website showcasing expertise in AI, web, and mobile development.
- Implemented a custom UI using Figma and React, emphasizing clean, professional aesthetics.
- Integrated analytics and dynamic content rendering with Next.js.

NeuraCommerce Platform
Full Stack Developer | September 2023 – December 2023
- Developed a responsive and dynamic e-commerce platform using Next.js and Express.js.
- Integrated an AI recommendation engine powered by TensorFlow for personalized shopping experiences.
- Optimized performance and load times, achieving 30% faster render speed.

Cognitive Assistant Dashboard
AI Developer | August 2023 – October 2023
- Created a dashboard integrating OpenAI APIs and LangChain agents for automated business insights.
- Enabled multi-agent orchestration for data summarization and KPI visualization.
- Used FastAPI and Firebase for backend processing and real-time analytics.

Uber 2.0 App
Full Stack Developer | February 2023 – March 2023
- Created real-time backend infrastructure with advanced ride-matching algorithms and optimized routing.
- Developed secure payment integration and predictive pricing models using machine learning.
- Built with React Native, Firebase, and Google Maps API.