

MUHAMMAD MAAZ

Full-Stack & Agentic AI Developer

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Portfolio: <https://my-portfolio-ten-iota-25.vercel.app/>

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Open to: Full-Stack AI Engineer | Agentic AI Developer roles (Remote & On-site)

PROFESSIONAL SUMMARY

Self-taught Full-Stack & Agentic AI Developer with hands-on experience in designing, developing, and deploying production-ready AI systems using **multi-agent architectures** and **Retrieval-Augmented Generation (RAG)**.

Skilled in building end-to-end intelligent applications from natural language task automation to scalable cloud deployments using Docker, Kubernetes (AWS EKS), and modern DevOps practices. Proven ability to transform ideas into fully functional, user-ready products. Currently advancing expertise in advanced AI engineering through the **Governor's IT Initiative AI Program (2025–2026)**.

EXPERIENCE

Independent / Freelance Full-Stack & Agentic AI Developer

2026 – Present

- Designed and deployed **3 production-grade AI applications** using multi-agent systems and RAG pipelines, serving real automation needs
- Built autonomous multi-agent workflows that integrate with external tools (email, calendars, social media) resulting in **40–60% reduction** in manual repetitive tasks
- Developed scalable backend APIs with FastAPI and implemented reliable task planning, memory management, and tool-calling layers for complex multi-step execution
- Containerized and deployed applications on **Docker + Kubernetes (AWS EKS)** with support for concurrent users and horizontal scaling
- Continuously optimized system performance, reliability, and user experience through iterative development and testing

FEATURED PROJECTS

✉ Digital AI Employee — Multi-Agent Automation System

OpenAI Agents SDK · FastAPI · RAG · Docker

- Developed a fully autonomous multi-agent system that handles content generation, social media posting, and email workflows without human intervention
- Implemented task planning, tool integration, memory persistence, and error handling for reliable multi-step execution
- Reduced manual digital workload by **40–60%** (validated through workflow testing)
- Designed modular architecture for easy addition of new agents and tools
- Containerized with Docker for consistent and scalable deployment

✉ AI-Powered Task Management System (Smart Todo App)

Next.js · OpenAI API · PostgreSQL · Kubernetes (AWS EKS)

- Built a full-stack application that converts natural language into actionable tasks with automatic deadline tracking and reminders
- Created an intelligent Reminder Agent that sends timely notifications and achieved **95%+ accuracy** in deadline management during testing
- Implemented secure authentication, persistent storage, and RESTful APIs
- Deployed on Kubernetes with horizontal scaling support for concurrent users

✉ RAG-Based Knowledge Chatbot Platform

FastAPI · Qdrant Vector DB · Next.js · Multi-Agent Architecture

- Developed a domain-specific chatbot using RAG pipelines that delivers accurate, hallucination-free responses from curated knowledge bases
- Implemented semantic search with Qdrant for fast and relevant information retrieval
- Designed multi-agent reasoning flow for handling complex, multi-part queries
- Deployed on Vercel and Render for public accessibility and performance testing

CORE COMPETENCIES

AI & Agentic Systems

Multi-Agent Architectures · Retrieval-Augmented Generation (RAG) · OpenAI APIs & Agents SDK · Tool Integration & Workflow Automation · Task Planning & Memory Management

Backend & Databases

FastAPI • RESTful APIs • PostgreSQL • Qdrant • Supabase

Frontend

Next.js • React.js • Tailwind CSS • TypeScript • JavaScript

Cloud & DevOps

Docker • Kubernetes (AWS EKS) • CI/CD (GitHub Actions) • Vercel • Render • Streamlit Cloud

EDUCATION & TRAINING

Artificial Intelligence, Web 3.0 & Metaverse (Ongoing 2025–2026)

Governor's IT Initiative Government of Pakistan

Focus areas: Advanced AI Engineering, Agent Systems, Cloud-Native Development, Multi-Agent Architectures

Intermediate – Pre-Engineering (2023–2024)

Govt. Degree Boys College Quaid-e-Abad

Matriculation – Science

Read Foundation High School, AJK

WHAT I BRING TO THE TABLE

- **Real deployed systems**, not just tutorials or prototypes
 - Deep practical expertise in **Agentic AI** and production-grade RAG implementations
 - End-to-end ownership from concept to live, scalable deployment
 - Strong problem-solving mindset with continuous learning and rapid iteration
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