

RAMESHA JAVED

Founder & CEO, VisionDX AI | AI-Native Full Stack Developer & Agentic Systems Engineer

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PROFILE

AI-Native Full Stack Developer building production-grade autonomous agents using Spec-Kit, Gemini CLI, MCP servers, OpenAI SDK, and RAG systems. Expert in Next.js, TypeScript, Python, Node.js, Google Gemini, Hugging Face, and cloud-native deployment. Founder & CEO of VisionDX AI — AI-powered medical imaging startup (NIC Karachi registered). Built prototype for Governor Sindh IT Initiative (50K+ users). Deployed 25+ projects | 500+ community members.

TECHNICAL SKILLS

Languages & Frameworks

Python • TypeScript • JavaScript (ES6+)
Next.js • Node.js • Tailwind CSS • Sanity CMS

AI-Native & Agentic Systems (Advanced)

Spec-Kit Framework • Gemini CLI • MCP Server • Multi-Agent Orchestration • HITL Patterns
OpenAI SDK (Assistants, Tools, File Search, Code Interpreter)
Gemini API (1.5 Pro/Flash) • Google Cloud AI Studio
OpenRouter (Claude 3.5, Grok) • Pydantic • Structured Outputs

RAG & Vector Databases

Retrieval-Augmented Generation (RAG) • Vector Embeddings
Qdrant • pgvector • Cohere • Semantic Search • Document Processing

Backend & Cloud Technologies

FastAPI • SQLAlchemy • RESTful APIs • Firebase
Gmail API • Twilio WhatsApp API • Hugging Face (Model Deployment) • Google Cloud Platform • Serverless Architecture

Databases

PostgreSQL • Neon PostgreSQL • Firebase Firestore • SQLite

DevOps / AI Deployment (Learning)

Docker • Kubernetes (Minikube) • Helm Charts • Kafka • Dapr

Auth & Documentation

Better Auth • JWT • Docusaurus • GitHub Pages

Tools & Deployment

Vercel • Netlify • Git/GitHub • Figma (UI/UX)

PROFESSIONAL EXPERIENCE

Founder & CEO

2026 - Present

VisionDX AI (Registered with NIC Karachi)

- Founded AI-powered medical imaging startup for X-ray, MRI, CT scan analysis
- Built diagnostic system analyzing 25+ types of medical images with AI-driven reports
- Deployed production-grade AI vision models for clinical diagnostics
- Registered startup with National Incubation Center (NIC) Karachi
- Bridging medical expertise with intelligent AI-based diagnostics

Freelance / Self-Employed

- Developed autonomous agents using Gemini CLI and MCP server implementations
- Integrated Hugging Face models for advanced NLP applications
- Implemented cloud-based solutions using Google Cloud Platform and serverless architecture
- Built production-grade AI systems with Spec-Kit framework and multi-agent orchestration
- Created RAG-based systems with vector databases for intelligent document processing and retrieval

KEY PROJECTS & ACHIEVEMENTS

AI-Native Autonomous Agent Suite — Spec-Kit + Gemini CLI + MCP Server

Production multi-agent system with real-time model routing (Gemini ↔ Claude ↔ Grok), persistent memory, file processing.

Governor Sindh IT Initiative Platform

Full-stack Next.js + PostgreSQL prototype for 50,000+ student registrations.

E-Commerce Autonomous Chatbot & Dashboard

Gemini-powered agent + real-time analytics using Next.js, Node.js, Sanity CMS.

VisionDX AI — Medical Image Analysis Startup (Founder & CEO | NIC Karachi)

AI-powered diagnostic platform analyzing X-ray, MRI, CT scan, and 25+ medical imaging types. Registered startup bridging clinical expertise with intelligent AI-driven diagnostics.

Physical AI Textbook with RAG Chatbot

Spec-Kit generated book with Qdrant-backed RAG chatbot, Better Auth, deployed via Docusaurus on GitHub Pages.

HACKATHON PARTICIPATIONS

Hackathon I: Physical AI Textbook (Nov 2025) — Spec-driven AI book with RAG chatbot (Qdrant), Better Auth, Docusaurus + GitHub Pages.

Hackathon II: Spec-Driven Todo & Microservices (Jan 2026) — Monolith → microservices: SQLModel + Neon DB + Docker + Kubernetes + Kafka + Dapr + OpenAI Agents SDK + MCP.

Hackathon 0: Personal AI Employee (Jan–Feb 2026) — Autonomous FTE using Python Watchers, MCP servers, HITL patterns, and Obsidian automation.

Hackathon 5: CRM Digital FTE Factory (Feb 2026) — 24/7 AI Customer Success employee built with Claude Code + OpenAI Agents SDK + FastAPI + PostgreSQL + pgvector + Kafka + Kubernetes + Gmail API + Twilio WhatsApp + MCP Server.

EDUCATION & CERTIFICATIONS

Certified Agentic & Robotic AI Engineer — Presidential Initiative for Artificial Intelligence & Computing (PIAIC) | Quarter 4 (Ongoing)

Full Stack + Agentic AI — Governor Sindh Initiative for Artificial Intelligence (GIAIC) (2026–Present)

Spec-Kit Framework & MCP Server — Completed • In Progress (PIAIC Cloud, 2025)

Python for Data Science & Agentic AI — PIAIC (Completed)

Cloud Computing & Backend Development — Google Cloud, Hugging Face (Ongoing)

References available upon request