

AMYSOJ J A EXSON JOSEPH

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SUMMARY

Applied AI Engineer with 3 years shipping production software, most recently building GenAI systems in production: RAG pipelines, autonomous agents, and MCP tooling. Designs, builds, and deploys production AI products end to end, from requirements and architecture through evaluation, deployment, and customer onboarding. Strong across the LLM stack (RAG, agents, MCP, evals) and full-stack delivery (Python, FastAPI, React, Next.js), and has taken a product from first demo to a signed paying customer solo. India-based and remote, flexible for US/EU overlap hours, open to EOR or contractor engagement.

SKILLS

Languages: Python, JavaScript, TypeScript, SQL

GenAI / LLM: RAG, hybrid graph and vector retrieval, re-ranking, agents and tool-calling, MCP (FastMCP), prompt engineering, LLM evaluation, LangChain, Langfuse, OpenRouter, OpenAI, Gemini, Hugging Face

Full-Stack: FastAPI, REST APIs, Next.js, React, Node.js, Zustand

Integrations / Deployment: WhatsApp Business API, Razorpay, OAuth, Google Maps API, webhooks, third-party REST APIs, self-managed VPS

Cloud / MLOps: Databricks on Azure, MLflow, Docker, nginx, CI/CD, Git, Vercel, Render

Databases / Vector: Neo4j, PostgreSQL, MongoDB, Pinecone, Chroma

WORK EXPERIENCE

Staples Chennai, India
Jan 2026 - Present

AI Engineer

- Built autonomous AI agents from scratch for natural-language product search and discovery across the retail catalog.
- Designed hybrid graph and vector retrieval in Neo4j over pure vector, with re-ranking, to map complex product relationships and improve accuracy on relationship queries.
- Built MCP servers (FastMCP) for secure LLM tool orchestration over internal REST APIs, serving real-time product and inventory data.
- Ran the ML lifecycle on Databricks (Azure) with MLflow: experiment tracking, eval gates, and production monitoring.
- Work daily with the US product and engineering team on requirements, demos, and rollout, on overlapping US business hours.

Noetic Laboratories Chennai, India
Dec 2025 - Present

Founder & AI Engineer

- Own the full commercial loop solo: requirements, architecture, build, deployment, onboarding, and support.
- Agnihr** (labour-compliance automation for contractors): closed the first paying B2B customer solo, from first demo through signed annual contract and onboarding.
- Striketroop** (pre-launch WhatsApp AI CRM for clinics): architected a RAG and guided-agent system with grounded responses, PII-safe patient data handling, and an owner dashboard; added Langfuse evals, OpenRouter multi-model routing, Razorpay billing, and self-managed VPS deployment.

Workcokol Chennai, India
Dec 2024 - Dec 2025

GenAI Engineer

- Built a GenAI conversational assistant for natural-language data querying, lifting week-1 onboarding by 40%.
- Built document Q&A and semantic search over platform docs with LangChain, Gemini, and ChromaDB.
- Drove prompt-flow design across product and design, owning the spec, eval criteria, and trade-offs.

Full Stack Engineer Jul 2023 - Dec 2024

- Launched a Hiring Assessment SaaS (Next.js, Node.js, MongoDB) for HR consultancies, handling 1K+ assessments per month, including admin dashboards, candidate workflows, and anti-cheating mechanisms.
- Optimized SEO, page load speed, and Core Web Vitals across the marketing site, improving search visibility and load performance.

PROJECTS

Marketmetrics - AI Trading Chart Analysis Demo

- Built an AI tool that reads candlestick chart images and returns plain-language trading insights, using LangChain orchestration with a Next.js frontend deployed on Vercel and Render.

XPLORER - Agentic AI Travel Planner Demo

- Built an agentic travel planner handling itineraries, cabs, and hotels in one conversational flow, with Pinecone semantic search and Google Maps routing for route optimization.

EDUCATION

Bachelor of Engineering in Computer Science, Anna University 2019 - 2023