

Mustafa Esoofally

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Summary

Applied AI engineer who designs and ships production multi-agent systems for enterprises, from the first customer call to deploy. Shipped agents for 6 enterprise clients and core features of Agno (2M+ monthly downloads).

Skills

Agents: Multi-agent systems, sub-agents, tool calling, MCP, memory, context engineering, evals, Agno

RAG: Agentic RAG, embeddings, reranking, vector databases, pgvector, text-to-SQL

Python & infra: Python, SQL, FastAPI, PostgreSQL, Docker, AWS (ECS, RDS), Railway, GitHub Actions

Experience

Agno – Senior Software Engineer, Agents

New York, NY | May 2026 – Present

- Spearheaded Learning Machines, Agno's learning layer: 6 stores and 3 modes so agents and teams improve every run
- Pioneered Agno's sub-agent system, letting a coordinator split complex tasks across specialists with isolated context
- Architected per-user isolation across 17 DB backends, unlocking multi-tenant distributed workloads and caching
- Overhauled context management, unifying compression and history compaction so long-running agents stay on-task
- Eliminated concurrent-request failures (31% to 0%) and cut latency and memory across Agno's runtime
- Mentored and onboarded engineers; accelerated CI 2x by parallelizing the test suite

Agno – Software Engineer, Agents

New York, NY | May 2025 – Apr 2026

- Led a beverage importer from discovery to a production **seven-agent procurement intelligence system** as primary technical contact; it runs Kraljic, PESTLE and Porter's analyses and emails reports autonomously
- Scaled a **multi-agent RAG knowledge assistant** across a global asset manager, a top-10 accounting firm and an AmLaw 50 law firm, with per-domain agents (HR, travel, tax), a SQL agent and reranking
- Owned a **Fortune 10 company's** Agno adoption end to end as technical lead, from onboarding to custom workflows
- Automated a logistics company's document intake with mixture-of-experts agents and browser agents
- Deployed agents on Slack, WhatsApp and Telegram and in Gmail, Calendar and Drive (20 tools), with approvals

Florida International University – Graduate Research Assistant

Miami, FL | Dec 2023 – May 2025

- Co-authored a peer-reviewed paper (*Batteries*, 2024; 39 citations) on ML battery state-of-charge estimation
- Built ML models to improve energy management in the lab's internal microgrid systems

Team Pumpkin – Senior Software Engineer

Bangalore, India | Aug 2022 – Jul 2023

- Saved the team ~10 hours a week by automating reporting; built a 3D Tesla demo shown at MWC Barcelona

Elite Infosoft – Software Engineer

Pune, India | Apr 2021 – Jul 2022

- Built a computer-vision golf ball tracking system that automated shot analysis and player position tracking

Enterprise Agentic Apps

- **Scout** (700+ stars): Engineered a company-intelligence agent that navigates Slack, Drive, wiki, CRM and MCP live through a sub-agent per source, replacing chunk-and-embed RAG; built its context providers and first eval suite
- **Dash** (2.2K+ stars, 250+ forks): Launched a self-learning text-to-SQL agent that grounds every answer in 4 context layers (schemas, validated queries, business rules, learnings), with read-only analyst and read-write engineer roles
- **Pal** (personal agent): Delivered a second-brain agent that researches, tracks notes, people and meetings in tables it creates, and improves every run on Learning Machines; deployable on Docker, AWS and Railway
- **AgentOS templates:** Productionized one-command AWS (ECS, RDS, EFS) and Docker deploys of a full agent platform

Projects

- **Open Dots** (2026): Shipped an open-source, text-first personal agent. **AG-UI:** Authored Agno's integration

Education

Florida International University – MS in Computer Science

Miami, FL | Aug 2023 – May 2025

Vishwakarma University – BTech in Data Science

Pune, India | Aug 2019 – May 2023