VICTOR RAMIREZ

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Portfolio: vramirez-mids.github.io • **GitHub**: github.com/vhr1975 • **Medium**: medium.com/@vhr1975

SUMMARY

Developer Experience Engineer & AI Architect with 15+ years building developer tools, cloud platforms, AI prototypes, onboarding workflows, and technical education programs. UC Berkeley MIDS graduate with hands-on expertise in RAG, embeddings, LLM APIs, multimodal systems, function calling, and AI agents. Creator of multiple open-source AI demos, instructor for community AI workshops, conference speaker, and monthly AI podcast host.

DEVELOPER EXPERIENCE PORTFOLIO

OpenAI Tutorials Showcase

🔗 https://github.com/vhr1975/OpenAI-Tutorials
Full-stack, production-ready demos with onboarding guides, architecture diagrams, and extensibility patterns.

Function Calling Demo — FastAPI + React

🔗 https://github.com/vhr1975/function-calling-demo

- Multi-tool orchestration with retries and structured outputs
- Includes telemetry hooks and onboarding documentation

RAG PDF Demo — FastAPI + React + ChromaDB

🔗 https://github.com/vhr1975/rag-pdf-demo

- Complete RAG pipeline (ingestion → embeddings → retrieval → synthesis)
- Demonstrates RAG patterns, chunking, and best practices

Multimodal Vision Demo — GPT-4o Vision

🔗 https://github.com/vhr1975/vision-qa-demo

- Vision Q&A over screenshots, documents, and diagrams
- Showcases multimodal prompting + vector search integration

AI Architecture Showcase

🔗 https://github.com/vhr1975/ai-architecture-showcase

- Maps traditional software architecture patterns (Layered, Event-Driven, Microservices, CQRS) to LLM + RAG systems

AI EDUCATION, COMMUNITY WORK & CONTENT CREATION

AI Builders: LatinX Edition — Creator & Host

🔗 https://open.spotify.com/show/ai-builders-latinx

- Monthly podcast explaining AI concepts and interviewing LatinX technologists

Techqueria — AI Instructor & Curriculum Author

- Teach RAG, embeddings, prompting, function calling, LLM fundamentals
- Authored open-source AI education materials:
  - 🔗 https://github.com/techqueria/muilt-docs-rag-llama
  - 🔗 https://github.com/techqueria/GenAI-Tutorial
  - 🔗 https://github.com/techqueria/ai-para-todos

Medium (Technical Writing)

🔗 https://medium.com/@vhr1975

- Monthly articles on LLM workflows, AI architectures, and developer tooling

PROFESSIONAL EXPERIENCE

Moody's Analytics — Director, Developer & Platform Experience

2024–Present | San Francisco, CA

- Lead developer experience strategy across cloud + AI platforms
- Build onboarding guides, CI/CD templates, architecture diagrams, troubleshooting flows

- Enable engineering teams adopting LLM-based workflows

Moody's Analytics — AI Architect

2023–2024 | San Francisco, CA

- Taught teams RAG, embeddings, prompting, LLM evaluation, and AI architectural patterns
- Authored conceptual diagrams and documentation for AI adoption
- Supported LLM prototype development

Moody's Analytics — Associate Director, DevOps Architect

2015–2023 | San Francisco & New York

- Built enterprise CI/CD pipelines, cloud standards, developer tooling, platform documentation
- Improved developer velocity through automation & cloud modernization

Moody's Analytics — Senior DevOps Engineer

2009–2015 | San Francisco, CA

- Built automation workflows, monitoring systems, and early cloud infrastructure

EDUCATION

UC Berkeley — Master of Information and Data Science (MIDS)
CSU Monterey Bay — B.S. Computer Science

TECHNICAL SKILLS

AI/LLMs: GPT-4o, GPT-4, embeddings, RAG, function calling, multimodal, vector DBs (Chroma, FAISS)
Languages: Python, Java, C#, C++, SQL, TypeScript
Frameworks: FastAPI, React, Next.js, Node.js
Cloud/DevOps: AWS, Azure, Docker, Kubernetes, Terraform, GitHub Actions
ML Tools: Pandas, NumPy, Scikit-learn
Developer Tools: Jupyter, Postman, Mermaid, GitHub, Confluence

Conference Speaking

- **Techqueria Tech Summit (Oct 2025):** *Building AI Agents for Real-World Workflows*

- **Oakland Tech Week (Nov 2025):** *AI Agents from Scratch: A Developer's Guide*
- **Latino AI Summit (Jan 2026 – Scheduled):** *RAG Chat + AI Agents*