James Rodriguez

james.rodriguez@email.com | (415) 555-0362 | San Francisco, CA | linkedin.com/in/jamesrodriguez | github.com/jrodriguez

PROFESSIONAL SUMMARY

AI Engineering Leader with 8 years of experience building production AI systems from concept to scale. Founded AI consulting practice and delivered 15+ successful AI agent implementations for Fortune 500 clients. Expert in full-stack AI agent development, from infrastructure design to user-facing applications. Track record of reducing operational costs by millions through intelligent automation.

EXPERIENCE

Founder & Lead AI Engineer

AgentForge AI (Independent Consulting) | January 2023 - Present

- Founded AI consulting practice specializing in custom agent development, serving 15+ enterprise clients
- Built intelligent procurement agent for Fortune 500 retailer, automating vendor negotiations and saving $2.3M annually
- Architected multi-agent system for healthcare provider handling patient scheduling, resulting in 70% reduction in administrative overhead
- Developed proprietary agent monitoring and observability platform using LangSmith and custom telemetry
- Created reusable agent templates and frameworks that reduced development time by 50% across projects
- Published technical blog posts on AI agent architecture reaching 50K+ readers monthly

Staff AI Engineer

Stripe | March 2020 - December 2022

- Led AI team of 8 engineers building fraud detection and customer support automation systems
- Deployed conversational AI agent for payment dispute resolution, handling 100K+ cases monthly with 88% autonomous resolution rate
- Designed and implemented agentic workflow for compliance document processing across 40+ countries
- Built internal AI platform enabling non-ML engineers to deploy agents using n8n and custom integrations
- Reduced false positive fraud alerts by 60% through multi-agent risk assessment system
- Established MLOps practices including model versioning, A/B testing, and performance monitoring

Machine Learning Research Scientist

Google Brain | June 2017 - February 2020

- Conducted research on reinforcement learning for conversational agents
- Co-authored 4 papers published in top-tier conferences (NeurIPS, ICML)
- Developed novel attention mechanisms for multi-task learning in production search systems
- Contributed to TensorFlow and open-source ML tools used by thousands of developers

EDUCATION

Ph.D. in Computer Science (Machine Learning) - Carnegie Mellon University
Dissertation: "Adaptive Learning Agents for Dynamic Environments" | Graduated: May 2017

Bachelor of Science in Computer Science - MIT
Minor in Mathematics | GPA: 3.85/4.0 | Graduated: June 2013

TECHNICAL SKILLS

Programming Languages: Python, TypeScript, Go, Java, Rust, SQL
AI/ML Frameworks: LangChain, LangGraph, LlamaIndex, AutoGen, CrewAI, OpenAI API, Anthropic API, Google Gemini, PyTorch, JAX
Agent Orchestration: n8n, Temporal, Airflow, Prefect, Apache Kafka
Infrastructure: AWS, GCP, Azure, Docker, Kubernetes, Terraform, ArgoCD
Databases: PostgreSQL, MongoDB, Redis, Pinecone, Qdrant, Weaviate, Elasticsearch
Monitoring & Observability: LangSmith, Weights & Biases, Prometheus, Grafana, Datadog
Specializations: Multi-Agent Systems, LLM Fine-tuning, Prompt Engineering, Agent Tool Use, Function Calling, Memory Systems, RAG Architecture

PROJECTS

Open Source Agent Framework Contributor
Core contributor to LangChain with 50+ merged PRs. Developed agent memory modules and tool integration patterns used by 100K+ developers.

CERTIFICATIONS

- AWS Certified Solutions Architect - Professional
- Certified Kubernetes Administrator (CKA)
- Google Cloud Professional ML Engineer