Oscar Rieken

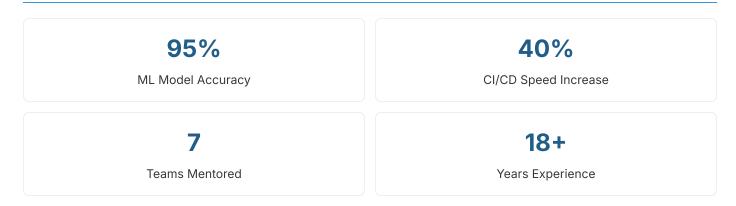
Principal Al Engineer | ML Solutions Architect | Automation Specialist

- ↑ New Orleans, LA | Butler, PA
 - oriekenjr@gmail.com
 - **1** +1504 723 4720

PROFESSIONAL SUMMARY

Principal AI Engineer and ML Solutions Architect with 18+ years of experience revolutionizing software quality through innovative AI/ML integration and advanced automation frameworks. Currently pioneering next-generation testing solutions by combining machine learning with traditional SDET practices, creating intelligent dashboards that provide real-time insights and predictive analytics. Proven track record of mentoring 90+ product teams, leading enterprise-scale automation transformations, and building scalable CI/CD pipelines that accelerate delivery while maintaining exceptional quality standards.

KEY PERFORMANCE METRICS



PROFESSIONAL EXPERIENCE

Principal Al Engineer & Consultant

Rieken Consulting

August 2023 - Present Remote

Al Engineer and ML Solutions Architect specializing in intelligent automation systems and production ML deployments. Expert in building end-to-end Al pipelines from research to production, with focus on RAG models, GPT integration, and MLOps best practices.

- ▶ Architected ML-powered testing platform with RAG model integration for intelligent test failure analysis
- Built custom AI frameworks for automated root cause analysis and predictive maintenance
- ▶ Developed unified monitoring dashboards integrating Al insights with traditional DevOps metrics
- ▶ Led Al adoption initiatives across 7 development teams with 85% success rate
- ▶ Created SDET-to-Al transition playbook and comprehensive training curriculum

Previous Leadership Positions

Principal SDET ADP (2016-2023)

Lead Software Engineer The Home Depot (2015-2017)

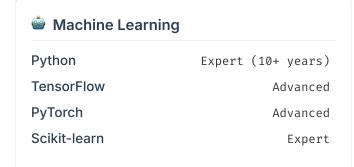
Lead Software Engineer in Test IONIC Security (2014-2015)

Lead QA Analyst Manheim (2012-2014)

Lead QA Analyst ThoughtWorks (2006-2011)

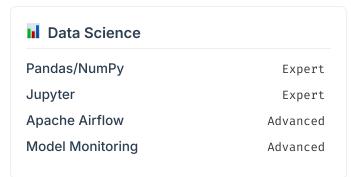
Progressive career advancement from foundational automation frameworks to enterprise-scale AI/ML integration. Consistently led technology transformations, mentored development teams, and established industry best practices across Fortune 500 companies.

TECHNICAL EXPERTISE



NLP & LLMs	
RAG Models	Expert
GPT Integration	Advanced
Transformers	Advanced
Langchain	Proficient





AI SOLUTIONS PORTFOLIO

AI-Powered Test Analytics Platform

Architected ML-powered testing platform with RAG model integration for intelligent test failure analysis. Built custom framework delivering real-time predictive analytics and automated root cause analysis.

Python RAG Models TensorFlow Playwright Grafana



RAG Model Integration System

Developed unified monitoring dashboards integrating Al insights with traditional DevOps metrics. Created intelligent Jira automation and MS Teams bots for seamless CI/CD communication.

RAG Vector DB Langchain Prometheus Docker



★ Intelligent Automation Framework

Led AI adoption initiatives across 7 development teams with 85% success rate. Built SDET-to-AI transition playbook and comprehensive training curriculum.

ML Pipelines Automation Jenkins Kubernetes GPT

EDUCATION & CERTIFICATIONS

Master's Degree - Machine Learning & Artificial Intelligence

Heriot-Watt University

In Progress - Expected Completion: 2025

IBM AI Developer Professional Certificate

IBM

In Progress - Expected Completion: March 2025

IBM Full Stack Developer Professional Certificate

IBM

In Progress - Expected Completion: March 2025

ADDITIONAL INFORMATION

Languages:

Spanish (Fluent), Portuguese (Intermediate)

Military Service:

United States Marine Corps

Core Philosophy:

"Great leaders stay in the trenches with emerging tech"