

Oscar Rieken

Principal Technology Leader & Strategic Automation Architect

Transformational technology executive with **18+ years** driving enterprise-scale digital transformations. Proven track record delivering **60% deployment acceleration**, mentoring **90+ product teams**, and pioneering AI-driven automation frameworks that generate measurable ROI and competitive advantage.

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STRATEGIC IMPACT & PERFORMANCE METRICS

60%

Deployment Time Reduction

Enterprise CI/CD optimization

90+

Product Teams Transformed

Agile & automation adoption

\$2.3M

Estimated Annual Savings


Process automation & efficiency

Top 5

App Store Rankings


Accessibility-driven quality

STRATEGIC ACCOMPLISHMENTS




Enterprise Digital Transformation

Led comprehensive automation transformation across **90+ product teams** at ADP, implementing modern CI/CD pipelines that reduced deployment cycles by **60%** and eliminated critical production failures by **85%**.




AI-Driven Innovation Leadership

Pioneered integration of machine learning and RAG models into testing frameworks, creating intelligent dashboards that predict failures with **94% accuracy** and automate root cause analysis, saving **40+ hours weekly** per team.



Market-Leading Quality Standards

Architected accessibility-first testing strategy using Playwright + Axe integration, directly contributing to ADP mobile applications achieving **top 5 business app rankings** on both Android and iOS platforms.



Organizational Leadership Excellence

Developed and mentored **12 principal-level SDETs** and influenced engineering practices across Fortune 500 ecosystems, establishing industry-leading automation playbooks adopted by **15+ Fortune 1000 companies**.

LEADERSHIP PORTFOLIO & CAREER PROGRESSION

Principal SDET & Strategic Consultant

Rieken Consulting

2023 - Present

Leading AI-driven automation initiatives for enterprise clients. Built ML-powered testing platforms with 94% failure prediction accuracy. Mentoring 7 development teams in next-generation automation strategies.

102

Total Teams Mentored
Across Career

Principal Software Architect

ADP

2016 - 2023

Transformed 90+ product teams across MyADP ecosystem. Led Protractor → Cypress/Playwright migration affecting 500+ engineers. Established accessibility standards contributing to top 5 app store rankings.

12

Principal-Level SDETs
Developed & Promoted

Lead Software Engineer

The Home Depot

2015 - 2017

Directed AngularJS migration and TDD/BDD adoption. Established CI/CD best practices and comprehensive automation blueprints for incremental delivery excellence.

500+

Engineers Influenced
Through Frameworks

Lead Software Engineer in Test

IONIC Security


2014 - 2015

Built greenfield automation framework and led team of 5 engineers in infrastructure automation. Introduced deployment automation and infrastructure health monitoring.

7


Programming Languages
Expert Proficiency

TECHNOLOGY INNOVATION & STRATEGIC INITIATIVES

**AI-Powered Test Intelligence**


Developed proprietary ML dashboard integrating RAG models, GPT APIs, and real-time telemetry for predictive failure analysis and automated root cause identification.

ROI Impact:
94% prediction accuracy • 40hr/week savings per team • \$450K annual value

**Enterprise Framework Migration**


Orchestrated seamless transition from legacy Protractor to modern Cypress/Playwright ecosystems across 90+ teams, maintaining zero-downtime while improving test reliability.

Strategic Value:
Zero downtime migration • 60% faster test execution • 500+ engineers impacted

**Accessibility-First Quality Standards**

Pioneered automated accessibility testing integration using Playwright + Axe tooling, establishing enterprise-wide a11y compliance standards and monitoring.

Business Impact:
Top 5 app store rankings • 100% WCAG compliance • \$1.2M revenue protection

**Real-Time Analytics Platform**

Built unified Grafana dashboards integrating Prometheus, Ollama, and automated Jira ticket creation with MS Teams bot notifications for comprehensive CI/CD monitoring.

Operational Excellence:
Real-time insights • Automated incident response • 75% faster MTTR

ADVANCED EDUCATION & PROFESSIONAL DEVELOPMENT

Master's Degree

Machine Learning & AI

Heriot-Watt University

In Progress - 2025

IBM Full Stack Developer

Professional Certificate

IBM

Expected March 2025

IBM AI Developer

Professional Certificate

IBM

Expected March 2025

Core Competencies

Enterprise Architecture

AI/ML Integration

Strategic Leadership

Digital Transformation

Team Development

Process Optimization

Additional Qualifications

Languages: Spanish (Fluent), Portuguese (Intermediate)

Military Service: United States Marine Corps

Security Clearance: Available upon request