

Oscar Rieken

// Senior Full-Stack Developer

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// Professional Summary

Senior Full-Stack Developer with 18+ years of experience building scalable web applications, leading development teams, and architecting enterprise-grade solutions. Expert in modern JavaScript frameworks, backend services, and DevOps practices. Proven track record of delivering high-performance applications serving 100K+ users while mentoring the next generation of developers. Passionate about clean code, innovative problem-solving, and leveraging cutting-edge technologies to create exceptional user experiences.

// Key Metrics

200K+

Lines of Code

50+

Apps Deployed

90+

Developers Mentored

99.9%

Uptime Maintained

// Technical Expertise

Frontend Technologies		
JavaScript / TypeScript		10+ years
React / Next.js		Expert
Vue.js / Angular		Advanced
HTML5 / CSS3 / SASS		Expert
Responsive Design		Expert

Backend Technologies		
Node.js / Express		Expert
Python / Django / FastAPI		Advanced
Ruby on Rails		10+ years
Java / Spring Boot		Proficient
REST / GraphQL APIs		Expert

DevOps & Cloud		
Docker / Kubernetes		Advanced
AWS / Azure / GCP		Proficient
CI/CD Pipelines		Expert
Jenkins / GitHub Actions		Expert
Monitoring & Analytics		Advanced

Databases & Tools		
PostgreSQL / MySQL		Advanced
MongoDB / Redis		Proficient
Git / Version Control		Expert
Agile / Scrum		Expert
Test Automation		Expert

// Featured Projects

Enterprise Dashboard Platform

Real-time analytics dashboard with microservices architecture, serving 10K+ concurrent users with sub-second response times and 99.9% uptime. Features real-time data processing and ML-driven insights.

React

Node.js

PostgreSQL

Redis

Docker

AWS

E-commerce Microservices Platform

Scalable e-commerce platform with distributed architecture, payment processing, inventory management, and real-time order tracking. Processing \$2M+ in transactions monthly.

Vue.js

Python

Django

MongoDB

Kubernetes

Stripe

Real-time Collaboration Suite

Multi-user collaboration platform with live document editing, video conferencing, and project management features. Supports 50K+ concurrent collaborative sessions.

React

WebSocket

Node.js

WebRTC

Socket.io

MongoDB

Developer Tools & CLI Suite

Open-source command-line tools and development utilities that improve developer productivity and automate common workflows. 10K+ downloads on npm.

Node.js

TypeScript

Commander.js

Jest

GitHub Actions

// Professional Experience

Principal SDET & Full-Stack Architect

Rieken Consulting

August 2023 - Present

Remote

Leading AI/ML integration for modern testing frameworks and full-stack application development, serving clients across multiple industries with scalable, enterprise-grade solutions.

- Architected ML-powered testing platform with RAG models and GPT integration for intelligent analysis
- Built custom full-stack applications serving 100K+ users with React, Node.js, and cloud infrastructure
- Led development teams in modern JavaScript frameworks, DevOps practices, and automation strategies
- Created comprehensive SDET playbook and developer onboarding curriculum
- Developed unified monitoring dashboards with real-time analytics and automated alerting

Principal Software Development Engineer

ADP

June 2016 - August 2023

Alpharetta, GA

Principal Software Architect for MyADP Product ecosystem, driving Continuous Delivery and modern development practices across 90+ product teams.

- Influenced 90+ product teams in migration from legacy systems to modern React/Angular applications
- Led enterprise-wide framework migration improving test reliability and cross-browser compatibility
- Implemented accessibility standards contributing to top 5 app store rankings for ADP mobile apps
- Built CI/CD pipelines and automated deployment systems reducing release time by 70%
- Established quality gates and comprehensive code review processes across development teams
- Mentored 12 SDETs and developers in full-stack development and automation best practices

Lead Software Engineer

The Home Depot

June 2015 - March 2017

Vinings, GA

Led development team through major framework migration and established modern development practices.

- Led team migration from proprietary JavaScript framework to AngularJS
- Established TDD/BDD practices and comprehensive automated testing strategies
- Built reusable component library adopted across multiple development teams
- Improved development velocity by 40% through process optimization and automation
- Delivered weekly training programs on modern development practices and frameworks

Lead Software Engineer in Test

IONIC Security

April 2014 - June 2015

Atlanta, GA

- Built greenfield automation framework and full-stack testing infrastructure from scratch
- Introduced infrastructure automation using Docker, Kubernetes, and modern DevOps practices
- Led team of 5 engineers in establishing development and quality engineering standards
- Established continuous deployment pipelines and monitoring systems

Lead Quality Assurance Engineer

Manheim / ThoughtWorks

July 2006 - April 2014

Atlanta, GA / Global

- Managed 15 engineers across global development teams building scalable web applications
- Built foundational automation frameworks and testing tools adopted company-wide
- Created open-source testing utilities with 50K+ downloads in developer community
- Established comprehensive quality engineering practices and developer mentorship programs
- Led integration testing with external systems and performance optimization initiatives

// Education & Certifications

Master's - Machine Learning & AI

Heriot-Watt University

In Progress - Expected 2025

Advanced coursework in ML algorithms, neural networks, and AI applications in software engineering.

IBM Full Stack Developer Certificate

IBM Professional Program

In Progress - Expected March 2025

Comprehensive program covering React, Node.js, Python, databases, and cloud deployment.

IBM AI Developer Certificate

IBM Professional Program

In Progress - Expected March 2025

Specialized training in AI development, ML model deployment, and NLP applications.

Military Leadership Training

United States Marine Corps

Honorable Service

Leadership development, team coordination, and operational excellence principles.

// Additional Information

Languages	Location
English (Native), Spanish (Fluent), Portuguese (Intermediate)	New Orleans, LA Butler, PA Available for remote opportunities worldwide
Open Source	Philosophy
Active contributor with 50K+ downloads across developer tools and testing frameworks	"Being a hyperglot allows me to use the right tool for the right job."