Michael Rodriguez

Software Engineer & Cloud Architect

Full-Stack Development ◆ DevOps ◆ Cloud Solutions ◆ Technical Leadership

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PROFESSIONAL SUMMARY

Experienced software engineer with 8+ years developing scalable applications and leading engineering teams. Strong expertise in cloud architecture, DevOps practices, and building resilient microservices. Proven track record of improving system performance and mentoring junior developers.

Passionate about creating elegant solutions to complex problems

This resume highlights my progression from individual contributor to technical leadership roles, showing my growth in both technical depth and team management.

Highlights

• Architected and implemented serverless solutions resulting in 40% cost reduction.
• Led migration from monolith to microservices architecture.
• Published articles on best practices in cloud-native development.
• Received company-wide recognition for mentoring program.
• Contributed to multiple open-source projects.

Personal Interests

When not coding, I enjoy hiking, playing chess, and experimenting with home automation projects.

TOP SKILLS

JavaScript | **TypeScript** | **React** | **Node.js** | **AWS** | **Docker** | **Kubernetes** | **CI/CD** | **Python** | **System Design**

PROFESSIONAL EXPERIENCE

Amazon Web Services

Senior Cloud Solutions Architect

January 2021 - Present - *Seattle, WA (Remote)*

Key Skills:

Cloud Architecture · AWS · Terraform · Kubernetes · Docker · CI/CD · Python · TypeScript · Solution Design · Technical Leadership

Summary:

Design and implement enterprise-scale cloud solutions for Fortune 500 clients, focusing on containerization, serverless architecture, and infrastructure as code.

• Architected serverless data processing pipeline reducing client operational costs by 35%.
• Lead technical discovery workshops with engineering leadership to identify optimal cloud solutions.
• Created comprehensive migration strategies from on-premise to cloud for 3 enterprise clients.
• Mentored 5 junior architects on cloud best practices and solution design.
• Developed custom CI/CD workflows using AWS CodePipeline, GitHub Actions and Terraform.
• Published internal whitepapers on microservice architecture patterns.

Project/Client: Financial Services Industry Client (~8 months)

Led design and implementation of a secure, compliant cloud infrastructure for a major financial institution.

• Designed hybrid cloud architecture meeting strict regulatory requirements.
• Implemented infrastructure as code using Terraform and AWS CDK.
• Created automated security compliance reporting dashboards.
• Reduced deployment time from weeks to hours with automated pipelines.

Microsoft

Senior Software Engineer

March 2018 - December 2020 - *Redmond, WA*

Key Skills:

C# · .NET Core · Azure · Microservices · React · TypeScript · SQL Server · Entity Framework · REST APIs · Test Automation

Summary:

Led feature development for Microsoft Teams collaboration platform, focusing on real-time communication APIs and integration points.

• Architected and implemented high-throughput notification service handling 50k+ messages per second.
• Led team of 6 engineers delivering quarterly platform feature releases.
• Reduced backend service latency by 65% through optimization and caching strategies.
• Contributed to architectural design of Teams API gateway.
• Implemented automated testing infrastructure increasing test coverage by 40%.
• Mentored junior developers on best practices for API design and testing.

Internal:

Spearheaded internal knowledge sharing and mentoring initiatives.

• Created comprehensive onboarding documentation reducing ramp-up time for new hires by 30%.
• Organized and delivered bi-weekly tech talks on advanced .NET topics.
• Contributed to engineering blog with articles on performance optimization.

Project/Client: Teams API Gateway Redesign (~6 months)

Led technical redesign of the Teams API gateway to improve performance and scalability.

• Designed new routing and caching architecture reducing average response time by 200ms.
• Implemented circuit breaker patterns to improve system resilience.
• Created comprehensive monitoring and alerting framework.
• Documented architecture patterns for use across other Microsoft services.

Google

Software Engineer

July 2016 - February 2018 - *Mountain View, CA*

Key Skills:

Java · Golang · Kubernetes · GCP · Distributed Systems · Protocol Buffers · gRPC · Continuous Integration · System Design

Summary:

Worked on Google Cloud Platform's container orchestration services, focusing on Kubernetes integration and developer tooling.

• Developed services for container health monitoring and automated scaling.
• Improved deployment pipeline reducing build times by 35%.
• Implemented data collection system for container performance metrics.
• Contributed to open-source Kubernetes ecosystem tools.
• Fixed critical bugs in container networking components.

Additional Details:

• Created developer guides for internal container deployment tools.
• Participated in cross-team architecture reviews for infrastructure services.
• Mentored new team members on Google's development practices.

Dropbox

Junior Software Engineer

June 2014 - June 2016 - *San Francisco, CA*

Key Skills:

Python · Django · MySQL · Redis · JavaScript · React · AWS · Testing · Git · RESTful APIs

Summary:

Developed and maintained backend services for Dropbox's file synchronization platform.

• Implemented RESTful APIs for third-party application integrations.
• Designed and built caching layer reducing database load by 40%.
• Created admin dashboard for monitoring system health metrics.
• Participated in on-call rotation supporting production infrastructure.
• Contributed to migration from monolithic to microservice architecture.

Responsibilities:

• Built and maintained Python services handling file metadata operations.
• Collaborated with frontend team to develop user-facing features.
• Performed code reviews and provided technical guidance.
• Optimized SQL queries improving performance of core file operations.

LICENSES & CERTIFICATIONS

AWS Solutions Architect Professional

Amazon Web Services

Issued Apr 2022 • Expires Apr 2025

Certified Kubernetes Administrator (CKA)

Cloud Native Computing Foundation

Issued Jan 2021 • Expires Jan 2024

Google Cloud Professional Cloud Architect

Google Cloud

GCP-PCA-2020 • Cloud Architect Certification

Comprehensive certification for designing and managing GCP solutions

Issued Mar 2020 • Expires Mar 2023

Microsoft Certified: Azure Solutions Architect Expert

Certification ID: MS-AZ305

Validates expertise in designing cloud and hybrid solutions on Azure

Terraform Associate

HashiCorp certified

Infrastructure as Code expertise using Terraform

Issued Sep 2021 • Expires Sep 2023

EDUCATION

Stanford University: Master of Science - Computer Science

University of California, Berkeley: Bachelor of Science - Computer Science

CONTACT INFORMATION

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