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.

# EDUCATION

**Stanford University:** Master of Science - Computer Science

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

# LICENSES & CERTIFICATIONS

**AWS Solutions Architect Professional**

**Amazon Web Services**

[Issued Apr 2022 • Expires Apr 2025](https://www.credly.com/badges/example)

**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](https://www.credly.com/badges/example-terraform)

# CONTACT INFORMATION

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