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**

# WORK 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.

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## 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.

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## 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.

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## 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.

# 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)

# EDUCATION

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

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

# CONTACT INFORMATION

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