Michael Rodriguez

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|  | *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.* |

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