

Back-End Software Engineer

Michael Rivera

Professional summary

Experienced and detail-oriented Back-End Software Engineer with expertise in building, optimizing, and maintaining scalable server-side systems. Proficient in database optimization, API design, and cloud infrastructure. Adept at leveraging modern technologies to enhance performance and improve system reliability.

Experience

Back-End Software Engineer

September 2021 - Now  
Amazon Web Services (AWS) / New York, NY

- Design, develop, and maintain scalable RESTful and GraphQL APIs to support AWS Cloud products and services.
- Optimize PostgreSQL database queries, reducing database load by 50%, improving system performance and reducing latency.
- Implement secure authentication and authorization mechanisms with OAuth2 and JWT to ensure safe user access to services.
- Collaborate with cross-functional teams to identify performance bottlenecks and implement scalable solutions.

Software Engineer

June 2016 - August 2021  
IBM / New York, NY

- Led the migration of legacy Java applications to modern Node.js services, improving maintainability and development speed.
- Worked closely with front-end engineers to create seamless integration between back-end services and front-end applications.
- Actively participated in agile development cycles, contributing to sprint planning, reviews, and retrospectives.

Additional Information

- **Languages:** Fluent in Spanish, Conversational in French
- **Volunteer Work:** Mentor at Code for Good, helping underrepresented groups break into tech through coding workshops and mentorship.

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Education

Master of Science in Computer Science

New York University (NYU)  
Graduated: May 2016

Bachelor of Science in Information Technology

University of California, Berkeley  
United States, Graduated: May 2014

Certifications

- **Certified Kubernetes Administrator (CKA)** | The Linux Foundation | November 2023
- **AWS Certified Solutions Architect – Associate** | Amazon Web Services | May 2022
- **AWS Certified Developer – Associate** | Amazon Web Services | June 2021

Skills

|  |       |
|--|-------|
| Python, Java, Node.js, Go                                      | ◆◆◆◆◆ |
| PostgreSQL, MongoDB, Redis                                     | ◆◆◆◆◆ |
| RESTful APIs, GraphQL, WebSockets                              | ◆◆◆◆◆ |
| AWS (Lambda, EC2, RDS), Google Cloud (GCP), Docker, Kubernetes | ◆◆◆◆◆ |
| Terraform, Jenkins, GitLab CI                                  | ◆◆◆◆◆ |