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Top Skills

Software Development

Software Systems Engineering

Cloud Computing

Certifications

AWS Certified Cloud Practitioner

AWS Certified Developer –
Associate

HashiCorp Certified: Terraform
Associate (002)

Prajwal Koirala

Certified Multi-Cloud Architect | AWS, GCP & Azure | Software
Developer Specializing in Scalable Systems and Infrastructure
Optimization

Queens, New York, United States

Summary

I am a certified multi-cloud professional with deep expertise in AWS, GCP, and Azure platforms. As a software developer with over a decade of experience, I specialize in designing scalable systems, optimizing cloud infrastructure, and crafting solutions that align technology with business goals.

My certifications include AWS Certified Developer – Associate, GCP Professional Cloud Architect, and Microsoft Azure Fundamentals, showcasing my proficiency across leading cloud ecosystems. With a proven track record of delivering high-quality software solutions, I am passionate about integrating innovation and usability into every project.

My key skills include multi-cloud architecture, software infrastructure optimization, Infrastructure as Code (IaC) using Terraform, and agile development methodologies. Whether building new systems or modernizing legacy ones, I thrive on solving complex technical challenges.

Let's connect if you want to collaborate on cloud-based solutions, software development projects, or simply to exchange insights about the future of technology.

Experience

Mapping United

Software Developer

December 2023 - November 2024 (1 year)

New York City Metropolitan Area

- Led the development of drone-based parking solutions, reducing search times for users by 35%.

- Integrated multi-cloud systems (AWS and Azure) for real-time data processing, ensuring consistent performance under heavy loads.
- Collaborated with cross-functional teams to roll out features that improved user engagement by 15%.

IPEngine

Software Developer

April 2023 - December 2023 (9 months)

New York City Metropolitan Area

- Designed and implemented core features for a leading IP intelligence platform, driving a 20% increase in data accuracy.
- Optimized backend systems for high performance, achieving a consistent 99.9% system uptime.
- Spearheaded multi-cloud deployment strategies across AWS and GCP, enabling seamless scalability for global users.
- Mentored junior developers, fostering team growth and skill-building.

Cloud Native Computing Foundation (CNCF)

Lead Cloud Engineer

October 2020 - March 2023 (2 years 6 months)

New York City Metropolitan Area

- Designed and implemented multi-cloud architectures across AWS, GCP, and Azure for enterprise-level clients, optimizing cost efficiency and scalability.
- Migrated legacy systems to the cloud, reducing infrastructure costs by 30% while improving system performance and reliability.
- Automated deployment pipelines using Infrastructure as Code (IaC) tools like Terraform and CloudFormation, cutting deployment times by 40%.
- Conducted in-depth security audits and implemented best practices, ensuring 100% compliance with industry standards.
- Collaborated with cross-functional teams to deliver solutions for industries such as finance, healthcare, and e-commerce.

NVIDIA

Cloud Operations Specialist

July 2017 - September 2020 (3 years 3 months)

New York City Metropolitan Area

- Supported cloud operations for large-scale SaaS applications hosted on AWS and Azure, maintaining 99.9% system uptime.
- Designed disaster recovery solutions across multiple regions, achieving RTOs (Recovery Time Objectives) of under 10 minutes.

- Automated cloud resource provisioning using scripts and tools like AWS CLI, PowerShell, and Google Cloud SDK, reducing manual workload by 40%.
- Collaborated with product teams to build custom monitoring dashboards using CloudWatch, Azure Monitor, and Google Cloud Operations Suite.
- Assisted with implementing compliance standards, including GDPR and HIPAA, in cloud deployments for healthcare clients.

Cisco

Cloud Architect

March 2013 - April 2017 (4 years 2 months)

New York City Metropolitan Area

- Spearheaded the adoption of hybrid cloud strategies, integrating AWS, Azure, and GCP services to meet diverse client requirements.
- Designed and implemented scalable cloud solutions, handling workloads of up to 10,000 concurrent users with zero downtime.
- Built secure APIs and managed serverless architectures on AWS Lambda and Azure Functions, improving processing speed by 25%.
- Conducted training workshops for internal teams, enabling 20+ engineers to gain cloud certifications across AWS, GCP, and Azure.
- Leveraged Google Kubernetes Engine (GKE) and Azure Kubernetes Service (AKS) to deploy containerized applications, improving resource utilization by 50%.

The Coca-Cola Company

Cloud Solutions Architect

May 2012 - November 2013 (1 year 7 months)

New York City Metropolitan Area

- Designed and deployed a global supply chain monitoring solution on AWS, leveraging services like S3, Lambda, and DynamoDB to track inventory across 200+ locations.
- Led a team of 10 engineers to migrate Coca-Cola's data analytics platform to GCP, enabling real-time insights and reducing report generation times by 40%.
- Implemented Azure Machine Learning pipelines to forecast demand, leading to a 15% reduction in production inefficiencies.
- Enhanced customer engagement by deploying a serverless architecture to support Coca-Cola's personalized marketing campaigns, increasing campaign ROI by 25%.
- Spearheaded a compliance initiative to ensure all cloud systems adhered to GDPR and CCPA regulations.

ComplexOrganizations

Software Developer

April 2011 - April 2012 (1 year 1 month)

New York City Metropolitan Area

- Built and maintained enterprise-grade software solutions, directly contributing to a 40% reduction in operational bottlenecks.
- Designed infrastructure-as-code solutions using Terraform, automating deployment pipelines across AWS and Azure.
- Led a team of 10 developers, delivering over 25 successful projects in software and infrastructure modernization.

Nike

Senior Software Engineer

January 2010 - March 2011 (1 year 3 months)

New York City Metropolitan Area

- Built and optimized Nike's e-commerce cloud infrastructure, using AWS Elastic Beanstalk to handle peak traffic during major campaigns like Black Friday and product launches.
 - Developed a real-time analytics dashboard on GCP to track customer behavior and personalize product recommendations, increasing sales by 20%.
 - Implemented CI/CD pipelines using Jenkins and Azure DevOps, reducing deployment times by 50%.
 - Partnered with marketing teams to deploy location-based mobile push notifications, driving a 15% increase in app engagement.
 - Collaborated with Nike's global IT team to implement robust security protocols, ensuring compliance with PCI DSS standards.
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