

Kumar Dahal

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CAREER SUMMARY

Technical Solution AI/ML/OPS / Multi-Cloud / DevSecOps / DevOps / Cybersecurity

Highly motivated, results-oriented, and innovative professional with 10+ years of experience in engineering AI/ML/OPS Multi-Cloud, DevOps, and Cybersecurity, demonstrating an analytical and driven mindset. Possesses versatile hands-on experience in software architecture, researching, designing, architecting, and implementing end-to-end systems on Azure, AWS, and GCP.

TECHNICAL EXPERTISE

CERTIFICATES & TRAININGS:

AI Apprentice, AI Developer, AI Practitioner, AI Architect

ML Programmer, DL Programmer, ML Engineer, ML Architect

DevOps Engineer, Cloud Engineer, CloudOps Engineer, Multi-Cloud Architect

AI/ML/OPS

Platforms (Cloud & On-Premises): Microsoft Azure Machine Learning, Google Cloud AI Platform (Vertex AI), H2O, IBM Watson, MS Cognitive Services, Amazon Lex, Amazon Sage maker.

Frameworks (Deep Learning & Machine Learning): Microsoft Cognitive Toolkit (CNTK), Keras (high-level API for TensorFlow/Theano/CNTK), TensorFlow, PyTorch, MXNet, Cortex, Caffe/Caffe2, Scikit-learn and BERT

Algorithms: Supervised Learning, Unsupervised Learning, Reinforcement Learning, Generative Models, Optimization Algorithms and Search Algorithms.

MULTI-CLOUDS:

AZURE: Azure Architect Technologies Certification, Deploy and Manage Virtual Machines, Deploy and Manage Virtual Machines, Configure and Manage Virtual Networks, Manage Identities.

AWS: AWS DevOps Engineer (Professional) Certification, Master the AWS Well-Architected.

GCP: Google Cloud Architect - Cloud Design, Network Components, Web Applications & Name Resolution.

DEVSECOPS/DEVOPS:

Opensource: Git, Jenkins, Docker Architecture, Kubernetes Architecture, HashiCorp Tools, Angular, Elastic Stack, SoarQube, Node.js, React, .Net Core, Ansible, Puppet, Chef, Red Hat, Nagios, Selenium, Google Cloud, Jupiter notebook, Spider. **Language:** HTML, JSON, XML, CSS, JavaScript, PHP, JAVA, C++ and Python

Methodology: Agile, Kanban, Scrum, SAFe Team, SAFe DevOps,

CYBER SECURITY/DEVSECOPS:

CCSP, CISSP, SY0-601: CompTIA Security+, DevSecOps, HashiCorp Vault, Advanced in Kali Linux.

NETWORK INFRASTRUCTURE:

NFV, SDN, SD-WAN, DPDK, MPLS, VOIP, TCP/IP, DNS, DHCP, VPN, IAS, DOCSIS. Network Architecture and design: Active Directory, Group policy, Terminal Services, Routing and Remote Access, wiring and cable terminations, Hardware based CPE (Intel and ARM).

PROFESSIONAL EXPERIENCE

CADMUS GROUP, Reston, VA **Apr-2023 – Present**
Cadmus Group is a consulting firm that solves complex challenges for business and government.
Technical Solutions Engineer | AI/ML/Ops | DevSecOps

ASRC Federal, Fort Collins, CO **Mar-2021 – Apr-2023**
Delivers successful mission and elevate performance for federal civilian, defense, and intelligence agencies.
DevSecOps | Azure Cloud | AI/ML/Ops

Hotel Engine, Denver, CO **Dec-2018 – Mar-2020**
Provides hotel-booking platform for enterprise clientele designed for business travel.
Multi-Cloud – Enterprise

Chetu Inc., Plantation, FL **Jan -2017 – Nov-2018**
Software Development Company provides tailored software solutions from industry specialized developers.
DevOps | Clouds Engineer

Electronics Row, Wheat ridge, CO **Dec-2011 – Dec-2016**
Consumer electronics products manufacturer and corporate incentive program for corporation industry.
Cloud Security | DevOps Automation

Integra Telecom, Denver, CO **Dec-2009 – Nov-2011**
Telecommunication infrastructure and Service Company
Cloud Cybersecurity Engineer

MasTec Technology, Centennial, CO **Dec-2006 – Nov-2009**
Infrastructure engineering and Construction Company
Network Security Engineer

Long Building Technologies, Englewood, CO **Jan-2004 – Nov-2006**
Building integrator provide products and services in building automation and security solutions.
Network Administrator

EDUCATION

Bachelor, Major Computer Science, 1996 – Bhaktivedanta Gurukula International, Mathura, UP India
Information Technology, Diploma 1993 – Sri Dham Mayapur School, Nadia, WB India
High School, 1989 – Siddhartha Vanasthali Institute, Kathmandu, Nepal

ARTICLES

- (1) [Exploring the Vulnerabilities of Cryptographic Systems](#)
- (2) [Unlock the Power of Automation](#)
- (3) [AI enterprise planning with IT enterprise planning](#)
- (4) [How the cloud data life cycle guides security efforts in the cloud.](#)
- (5) [How the cloud data life cycle guides security efforts in the cloud.](#)
- (6) [Cloud Migration Plan: A Comprehensive Guide](#)
- (7) [Exploring the Benefits of Public, Private, Hybrid, Multicloud and Polyccloud](#)
- (8) [Neural Networks Overview](#)
- (9) [What is Footprinting & Countermeasures](#)
- (10) [Explainable AI, or \(XAI\)](#)
- (11) [COMPARING DEEP LEARNING AND MACHINE LEARNING](#)
- (12) [KUBERNETES CLUSTER ARCHITECTURE](#)