# NITIN KHANEJA

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**Senior Consultant – DataOps, MLOps & Cloud DevOps | Azure | AWS**

Innovative, results-driven Cloud Solutions Engineer with 8+ years of experience spanning data platforms, DataOps, MLOps, and Cloud DevOps. Skilled in building scalable, secure cloud solutions and automating CI/CD using Microsoft Azure, Amazon Web Services, Azure DevOps, Terraform, Kubernetes, and Docker, with hands-on delivery across data/ML platforms, orchestration, and production-grade deployments.

## Education

Bachelor of Technology (B.Tech), Computer Science and Engineering

## Core Skills

- **Cloud Architecture:** End-to-end AI and data architecture for streaming and batch processing
- **DataOps / CI/CD:** Azure DevOps (Repos, Pipelines, Artifacts), environment promotions, validations, release automation
- **MLOps:** MLOps framework, package management (pip), batch & real-time endpoints
- **Data Platform Engineering:** Azure Data Factory (ADF), Azure Synapse Analytics, ETL orchestration, data warehousing, Databricks, Azure Analysis Services
- **Cloud:** Microsoft Azure, AWS
- **Infrastructure as Code (IaC):** Terraform
- **Containers:** Kubernetes, Docker
- **Automation/Scripting:** Python, Shell Scripting
- **Identity/Monitoring:** Azure Active Directory, Azure Monitor
- **Web:** Azure Functions, Flask/Gunicorn, Streamlit, Azure App Service
- **Databases:** SQL Server/MySQL

## Certifications

- AWS Certified Cloud Practitioner (CLF-C02)
- AWS Certified Solutions Architect – Associate (SAA-C03)
- Microsoft Certified: Azure Fundamentals (AZ-900)
- Microsoft Certified: Azure Administrator Associate (AZ-104)
- Microsoft Certified: Azure Developer Associate (AZ-204)
- Microsoft Certified: Azure Solutions Architect Expert (AZ-305)
- Microsoft Certified: DevOps Engineer Expert (AZ-400)
- Microsoft Certified: Azure Security Engineer Associate (AZ-500)
- Microsoft Certified: Azure Data Fundamentals (DP-900)
- Microsoft Certified: Azure Data Engineer Associate (DP-203)

## Professional Experience

### Deloitte Consulting India Pvt Ltd — Senior Consultant (AI & Data)

Gurgaon | Hybrid | May 2021 – Present

- Built and operationalized an MLOps (Machine Learning Operations) framework, standardizing experimentation-to-deployment workflows and improving release reliability.

- Implemented CI/CD for ML components using Azure DevOps and a centralized Azure DevOps Artifacts feed to version and distribute Python (pip) packages across pipelines.
- Deployed serialized ML artifacts (pickle/.pkl) to Kubernetes for batch and real-time inference, enabling scalable model serving and controlled rollout patterns.
- Built Streamlit applications for data exploration and model inference use cases, implementing authentication and security controls to protect access and data integrity.
- Delivered Data Platforms solutions for consumer-industry use cases, including Ebusiness, Consumer Experience (CX), ensuring DataOps standards and CI/CD frameworks for pipeline promotion and operational governance.
- Developed a large language model (LLM)-based incident-assist capability ("Operate") that recommends ServiceNow incident resolutions by leveraging historical incident data and prior remediation patterns.
- Built an automated documentation ("Docuflow") agent to generate technical documentation for ADF pipelines, SQL objects, and Databricks notebooks, improving asset discoverability and handoffs.
- Delivered a "Virtual Sales Assistant" solution, enabling prompt-based querying and actionable insights for multiple business units/departments.
- Defined and implemented a DevSecOps framework to standardize environment promotions across ADF, Databricks, Synapse, SQL Server, Function Apps, and Logic Apps with governance and controls.

## Brainscale Inc — Cloud Automation Engineer / DevOps Engineer

Noida | Oct 2019 – May 2021

- Delivered Infrastructure as Code (IaC) using Terraform to provision and manage cloud resources.
- Designed and implemented RESTful APIs using Azure Functions for scalable serverless solutions.
- Built web scraping solutions with Azure Functions to automate data extraction and integrate with business applications.
- Deployed and managed Azure Windows Virtual Desktop (WVD) with automation triggered via web form submissions.

## Tech Mahindra Limited — Software Engineer (DevOps – Network & Cloud Automation)

Noida | May 2018 – Oct 2019

- Built and orchestrated lifecycle promotion for Azure data engineering assets across environments with validations/test cases using Azure DevOps CI/CD pipelines (DataOps).
- Developed an inventory tool for Cisco IOS devices and automated network changes using Ansible based on service requests.

## Compunnel Digital (Infopro Learning) — Cloud Engineer

Noida | Dec 2017 – May 2018

- Developed and maintained high availability infrastructure across multiple AWS accounts for multiple clients.
- Resolved system outages/incidents per SLA and automated patch installation on Windows/Linux using AWS Systems Manager.