

# NITIN KHANEJA

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## Senior Consultant | AI Platform Engineering | DataOps | MLOps | Cloud DevOps | Azure | AWS | Databricks

Results-driven Cloud Solutions Engineer with 8+ years of experience in AI platform engineering, data platforms, DataOps, MLOps, DevSecOps, and Cloud DevOps. Skilled in designing scalable, secure cloud and data solutions, building CI/CD pipelines, automating infrastructure with Terraform, and operationalizing ML and data workloads on Azure, AWS, Databricks, Kubernetes, and Docker. Hands-on expertise in Azure DevOps, Azure Data Factory, Synapse, Databricks, serverless applications, RAG-based solutions, vector databases, and production-grade deployment frameworks.

### Education

Bachelor of Technology (B.Tech), Computer Science and Engineering, Punjab Technical University (2013-2017)

### Technical Skills

**AI / Data Platforms:** AI platform engineering, data platforms, Azure Databricks, Azure Data Factory, Azure Synapse Analytics, ETL orchestration, data warehousing, vector databases

**DataOps / CI/CD:** Azure DevOps, Repos, Pipelines, Artifacts, Git, YAML pipelines, release automation, environment promotion, validations, test automation

**MLOps:** ML lifecycle management, model packaging, pip package management, batch inference, real-time inference, model deployment

**Cloud Platforms:** Microsoft Azure (Primary), AWS

**Infrastructure as Code:** Terraform

**Containers:** Kubernetes, Docker

**Programming / Automation:** Python, Shell Scripting

**Web / APIs:** Azure Functions, Flask, Gunicorn, Streamlit, Azure App Service, REST APIs, AWS API Gateway, Lambda

**Identity / Monitoring:** Azure Active Directory, Azure Monitor, AWS Cloudwatch, AWS IAM

**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 / AI Platform Engineering)

Gurgaon | Hybrid | May 2021 – Present

- Designed and operationalized an enterprise MLOps framework, standardizing experimentation, model packaging, and deployment workflows across 5+ ML use cases, improving release reliability and reducing deployment cycle time by 50%.

- 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 and environments, reducing manual integration effort by 20%.
- Deployed ML models to Kubernetes for batch and real-time inference, supporting production models and 100k+ inferences per month, enabling scalable and controlled rollouts.
- Built Streamlit-based applications for data exploration and model inference, implementing authentication and security controls to enable secure self-service access to ML insights.
- Delivered consumer-industry data platform solutions across Ebusiness and CX, establishing DataOps standards and CI/CD frameworks for 2k+ data pipelines and 3 environments to strengthen 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, improving support-team productivity by 30%.
- Created an automated documentation agent (“Docuflow”) for ADF pipelines, SQL objects, and Databricks notebooks, generating documentation for 5k+ assets and publishing to Azure DevOps wiki and reducing manual documentation efforts by 50%.
- Built a “Talk to Code” chatbot using RAG architecture over a Databricks vector database built from 5k+ Docuflow-generated wiki documents, enabling natural-language access to code and platform knowledge.
- 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, reducing deployment defects by 50%.

## **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 across 3 environments, reducing manual provisioning efforts and improving deployment consistency.
- Designed and implemented RESTful APIs using Azure Functions to support scalable serverless integrations for business applications.
- Built Azure Functions-based web scraping solutions to automate data extraction and integrate data with downstream business workflows.
- Deployed and managed Azure Windows Virtual Desktop (WVD) with automated provisioning triggered through web form submissions, improving operational efficiency and user onboarding.
- Implemented CI/CD pipelines in Azure DevOps for Terraform, Azure Functions, and application components, enabling automated build, validation, and deployment across 2 environments and reducing release time by 40%.
- Implemented release governance using approval gates, artifact versioning, and environment-specific configurations, improving deployment reliability and strengthening auditability.

## **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.
- Developed an inventory tool for Cisco IOS devices and automated network configuration changes using Ansible based on service requests, reducing manual effort and improving operational turnaround time.
- Automated service-request-driven network operations for 5+ recurring tasks/month, accelerating fulfillment and improving operational efficiency.

## **Compunnel Digital (Infopro Learning) — Cloud Engineer**

Noida | Dec 2017 – May 2018

- Maintained high-availability AWS infrastructure across multiple accounts for multiple client environments, ensuring reliability, scalability, and operational continuity.
- Resolved infrastructure outages and production incidents within SLA timelines, improving service stability and minimizing downtime across Windows and Linux environments.
- Automated patch management for Windows and Linux servers using AWS Systems Manager, reducing manual intervention and improving compliance with security and maintenance standards.