Ajay Kumar Chaturvedi

Data & AI Platform Engineering • Databricks & Microsoft Fabric • Product Ownership • SOC 2 & Cloud Governance
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SUMMARY

Platform Engineer and Product Owner leading Data & AI platform operations across Databricks, Microsoft fabric, and Azure for 2 data engineering teams and 1 AI team. Focused on platform-as-a-product governance, workspace administration, SOC 2 compliance readiness, resiliency architecture and GitHub self-service automation.

TECHNICAL SKILLS

Data & AI Platforms: Databricks (Unity Catalog, SQL Warehouses, Compute Policies, Workflows), Microsoft Fabric, Power BI, Azure Data Factory
Cloud & Identity: Azure (Entra ID, RBAC, Service Principals, Managed Identities, Key Vault, AKS, Monitor), AWS (EC2, S3, Lambda, IAM), Terraform
CI/CD & DevSecOps: GitHub Actions, Azure DevOps, SOC 2 Compliance Auditing, JFrog Artifactory/Xray, SonarQube, OIDC, Keycloak
Observability & Scripting: Python, Bash, Prometheus, Grafana, Azure Monitor, AWS CloudWatch, Linux (Ubuntu), Docker, Kubernetes

WORK EXPERIENCE

Detroit Software Consultants *Gurgaon, India (On-site)*
Platform Engineer / Product Owner — Data & AI Platform September 2026 – Present

- Own the **Data & AI platform roadmap and operations** across **Databricks, Microsoft Fabric, and Azure**, enabling **2 data engineering teams and 1 AI team** with standardized workspace governance and operational responsibilities.
- Administer **Databricks workspaces, Unity Catalog** (catalogs, schemas, volumes), SQL warehouses, and compute policies alongside **Microsoft Fabric / Power BI** deployment pipelines, semantic models, and refresh monitoring.
- Led an end-to-end **SOC 2 compliance audit** across **Azure Data Factory (ADF), Databricks, and Azure cloud resources**, enforcing least-privilege **Entra ID RBAC, service principals, managed identities, and Key Vault** controls.
- Authored **current-state and target-state infrastructure architecture blueprints**, defining production fault-tolerance, resiliency trade-offs, and **production readiness gates** prior to workload promotion.
- Built **GitHub self-service automation and CI/CD promotion workflows** to standardize environment isolation, cut manual handoffs, and improve cross-team engineering velocity.

Nagarro Pvt. Ltd. *Prayagraj, India (Remote)*
Engineer — Cloud & Platform Engineering March 2023 – September 2026

- On-call remediation lead for the **Shai-Hulud npm supply-chain response**; deployed **JFrog Curation/Xray blocklists** across **40 projects and 2,400+ repositories**, restoring **1,000+ broken CI pipelines**.
- Saved **$700K in GitHub Enterprise licensing** via **Python automation** suspending **2,800+ inactive accounts**, and reduced **Azure spend by 20%** through rightsizing, autoscaling, and reserved instances.
- Built and tested **cross-cloud DR failover (AWS to Azure)** via scheduled reliability drills across **70+ engineering teams**, and implemented full-stack observability with **Prometheus, Grafana, and Azure Monitor**.
- Administered **Artifactory (100+ teams, 5,000+ repos)** and **SonarQube (500+ repos)**, managed **IAM/OIDC/Keycloak RBAC** across GitHub, AWS, and Azure, and led monthly infra workshops (**1,500+ total attendees**).

PROJECTS

Extended File Replicator (frep): Python, Open Source January 2025 – Present

- CLI and GUI tool for file replication. **Multi-threaded observers** with hash comparison to verify what actually got copied, and logging detailed enough to debug a bad run.

ACHIEVEMENTS

- **Nagarro Excellence Award (Mar 2026)** for impact and cross-team collaboration on a high-priority engagement.
- **Cheerboard nomination (Feb 2025)** for keeping **MTTR** low during production incidents.

EDUCATION

Ph.D., Computer Applications (Quantum Computing) January 2025 – Present
Lovely Professional University *Phagwara, India*

MCA (Hons.), Data Science August 2021 – July 2023
Lovely Professional University *Phagwara, India*