**RAMA KRISHNA DHULLIPALLA, PMP**  
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### **Professional Summary**

Cloud and Data Architect with 15+ years of experience designing scalable, secure, and high-performance platforms using Azure, Databricks, Java, and Microservices. Strong background in data engineering, analytics, and AI/ML enablement across healthcare, finance, and manufacturing. Proven expertise in end-to-end solution architecture—from ingestion to visualization and model deployment. Adept at building microservices-based systems and cloud-native frameworks using Terraform, Azure DevOps, Spark, and Java.

### **Core Competencies**

* **Cloud Platforms:** Azure (ADF, Synapse, Data Lake, Key Vault, Cosmos DB, Functions), AWS (S3, EC2, EMR, Glue, Athena)
* **Big Data & Analytics:** Databricks, Spark, Delta Lake, Snowflake, Hadoop
* **AI & Machine Learning:** Azure ML, MLflow, Databricks AutoML, Scikit-learn, Model Ops
* **Backend & Microservices:** Java (Spring Boot, REST APIs), Python, Scala, Docker, Kubernetes
* **DevOps & IaC:** Terraform, Azure DevOps, GitHub, Jenkins, Airflow, Jupyter
* **Governance & Security:** Azure Purview, Unity Catalog, RBAC, Key Vault, Data Masking
* **Visualization & BI:** Power BI, Plotly, Seaborn, Matplotlib
* **Certifications:** PMP, AWS Certified Solutions Architect – Associate

### **Professional Experience**

#### **Principal Engineer / Solution Architect – Cloud, Data & AI**

**Optum (UnitedHealth Group) – USA**  
**Aug 2021 – Present** - Architected a multi-tenant Azure-Databricks data and AI platform to support ingestion, transformation, and predictive analytics at scale. - Enabled AI/ML pipelines using Databricks AutoML, MLflow, and Spark with support for real-time model scoring. - Automated infrastructure using Terraform; deployed modular APIs and backend services with Java Spring Boot for orchestration and tenant management. - Built reusable feature pipelines and governed data flows with Unity Catalog and Azure Purview. - Integrated Power BI dashboards for ML insights and operational KPIs.

#### **Principal Engineer / Solution Architect – Cloud & Data Engineering**

**Change Healthcare – USA**  
**Jun 2018 – Jul 2021** - Designed a CMS-compliant data sharing platform using Azure Synapse, Databricks, and Java-based microservices. - Developed and deployed Java REST APIs for data access, lineage queries, and metadata-driven ingestion orchestration. - Collaborated with AI teams to embed ML models for fraud detection and compliance workflows into operational systems. - Used Terraform, Azure DevOps, and Key Vault for automated and secure environment provisioning. - Improved partner onboarding efficiency by 25% through reusable data contracts and modular Java-based services.

### **Earlier Experience Highlights**

* Developed Java-based Microservices for core financial modules in a Revenue Accounting solution for a global Cargo Management platform.
* Led the development of a Maintenance Toolbox using Java and REST APIs for the R&D division of a manufacturing leader to manage asset diagnostics and repairs.
* Designed and implemented a Regulatory Reporting Platform for an Asset Management firm, combining data warehousing and API-based data retrieval services.
* Guided architecture and integration of distributed systems using Java and messaging queues across telecom and enterprise platforms.
* Managed stakeholder expectations and delivery as PMO lead across major digital transformation programs.

### **Education & Certifications**

* **Master of Computer Applications (MCA)** – [University Name], [Graduation Year]
* **Project Management Professional (PMP)** – PMI
* **AWS Certified Solutions Architect – Associate**