RAMA KRISHNA DHULLIPALLA, PMP

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Professional Summary

Cloud and Data Engineering Leader with experience in designing and implementing scalable, secure, and high-performance data platform solutions on AWS and Azure. Proven track record of delivering enterprise-grade solutions for Fortune 500 clients across healthcare, retail, and finance. Expert in Sparkflows, Spark, Scala, Python, and cloud-native tools, with a passion for automation, data governance, and cross-functional collaboration.

Technical Skills

Cloud Platforms: AWS (S3, EC2, EMR, IAM, RDS, EKS, Glue, Athena, MWAA), Azure

Big Data & Analytics: Spark, Hadoop, Databricks, Snowflake, Incorta

Programming: Scala, Python, Java, SQL, Groovy, JavaScript, Unix Shell Scripting

DevOps & Tools: Terraform, Jenkins, Docker, GitHub, Airflow, Jupyter, Grafana

Testing & Automation: Selenium, TOSCA, TestNG, ReadyAPI

Domains: Healthcare, Retail, Telecom, Manufacturing, Financial Services

Certifications

AWS Certified Solution Architect Associate

Project Management Professional from Project Management Institute

ITIL Foundation certificate

Sun Certified Java Programmer

Key Projects

Multi-Tenant Data Platform Automation and Integration

Principal Engineer, Solution Architect – Cloud & Data Engineering | Optum, USA | Aug 2021 – Present

Description - A robust data platform which is unified and actionable that transforms raw data into meaningful insights that enhance customer experience, drive revenue, and shape brand identity

Tech Stack: AWS, Spark, Scala, Python, Airflow, Terraform

- Automated deployment of Apache Airflow and Sparkflows using Terraform, reducing setup time by 90% and eliminating manual errors.
- Integrated Sparkflows with Sentinel and Guardian, enhancing governance across 100% of production pipelines.
- Developed reusable "Lego blocks" for data pipelines, cutting pipeline development time by 75%.
- Trained 50+ tenants, achieving full operational readiness within 2 weeks per tenant.

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Intelligent Healthcare Data Platform
Principal Engineer, Solution Architect – Cloud & Data Engineering | Change Healthcare, USA | Jun 2018 – Jul 2021

Description - This platform enables payers to meet CMS Interoperability Guidelines by securely sharing five years of comprehensive claims data via APIs. The initiative is a collaborative effort across multiple teams, including Platform, Product, Data Services, IAM, and payer organizations

Tech Stack: AWS, Spark, Scala, Python, Zeppelin

- Fostered strong partnerships across teams, including Data Services, Platform Engineering, IAM, and payer organizations, to align on data ingestion strategies, integration timelines, and compliance requirements.
- Facilitated regular cross-team syncs and working sessions, ensuring transparency, shared accountability, and rapid resolution of integration challenges.
- Acted as a bridge between technical and non-technical stakeholders, translating regulatory and business needs into actionable data integration plans that were clearly understood across disciplines.
- Championed a collaborative problem-solving culture, encouraging open dialogue and joint ownership of issues, which led to faster decision-making and improved data quality outcomes.
- Worked closely with payer partners, building trust and streamlining onboarding by aligning on data formats, validation rules, and delivery schedules.

Quality Engineering Consulting
Principal Consultant, Solution Architect | Wipro, USA | May 2015 – May 2018

Description - Led the implementation of scalable test automation solutions using Tricentis TOSCA and Wipro Assure NXT, reducing manual effort and enabling early defect detection across multiple client projects.

Tech Stack: TOSCA, ASSURE NXT, Java / J2EE, Maven, Git, Sonar Cube, TESTNG, SELENIUM, SOAPUI, JMETER, HP QTP, Oracle ATS, ELK, Jenkins, Puppet, JBehave, Groovy, SQL, CQL

- Acted as a trusted advisor to multiple automation teams, fostering close collaboration to implement Tricentis TOSCA and Wipro AssureNXT solutions tailored to each project's needs.
- Facilitated knowledge sharing and alignment across teams by organizing workshops, walkthroughs, and hands-on sessions to accelerate adoption of automation tools and best practices.
- Partnered with development, QA, and DevOps teams to embed automation early in the SDLC, promoting a shift-left approach and improving cross-team feedback loops.
- Supported team members in designing reusable, maintainable test cases, encouraging shared ownership and reducing siloed efforts.
- Collaborated with client stakeholders to align automation strategies with business goals, ensuring transparency, trust, and long-term value delivery.