Amit Prakash Singh

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Objective

To partner with a dynamic and innovative organization where I can bring the benefit of modern computing at scale and help build foundations of the next phase of growth.

Skills

Enterprise Architecture	Data lake and lake-house platform development
AWS Cloud | Hybrid Infrastructure	Large scale cloud migration
Containers and Kubernetes	Modernization and Cloud Native development
Functional Programming	C-Suite engagements
Java | Python | Scala | JavaScript	Stakeholder management

Experience

Airtel Payments Bank | Chief Architect   Apr 2023 - Current

- Managing a multi-year cloud migration program for the bank. In its first year, my team has delivered a secured multi account landing zone and first full-scale migration in a record time of 3 weeks.
- Integrated bank's co-created UPI payments switch in AWS cloud with on-premise NPCI switch to deliver a solution that processes over 10k transactions per second.
- Designed highly available AWS to on-premise network connectivity for primary and DR data centers of the bank. Utilized two direct connect 10GBPS line and VPN connections for the mission critical applications.
- Introduced IAM anywhere authentication for on-premise application to remove any long-term credentials in cloud infra.
- Modernized high-frequency FASTag acquirer application in AWS cloud to enable anticipated 10x growth due to sudden acquisition of new toll plazas.
- Revamped architecture of critical applications, like customer onboarding, Transaction history to resolve legacy issues with reliability and performance of the application.
- Lead the strategic directive on building data assets for the bank. I have secured $500K from the CEO office for lake-house development on AWS cloud and for retiring the ad-hoc data systems built earlier.

Amazon Web Services, Toronto | Sr. Solution Architect   Dec 2021 – Apr 2023

- Supported customer success manager in the combined org of CSM and SAs through managing multiple public sector programs by running workshops, training and experience-based accelerator sessions.
- Orchestrated a successful sales motion of over $100M+ in revenue in FY 2022 through a highly complex multiple DR scenarios for the public sector client.
- Generated over $500K ARR through migration acceleration programs for clients
- Lead SME call for modernization initiatives for the US clients through active PoC development
- Completed container SME program to advance the modernization capability in NA public sector team

Intact Financial Corp., Toronto | Cloud Architect   **Apr 2021 – Dec 2021**

- Built ransomware protection for the IFC's data lake in primary region
- Engaged management stakeholders on NIST cybersecurity framework for data lake protection
- Designed DR solution for the data lake deployment in AWS cloud through secondary AWS region
- Designed AWS workspace solution for APAC region office to enable strict data protection guidelines

TD Bank, Toronto | Sr. Solution Architect   **March 2018 – Apr 2021**

- Enabled a $25M data lake migration to Azure cloud with development of a detailed migration plan, proof of concepts and stakeholder management across the organization.
- Built proof of concepts on Azure Synapse for ML workload isolation at runtime for multiple data science teams to meet stringent data security requirements of multiple lines of businesses.
- Created observability solution for over 1200 ETL jobs with Elastic stack to solve critical observability issues for regulatory reporting.

TCS | J.P. Morgan Chase | Capgemini | Accenture   **Oct 2005 – Feb 2018**

- Lead the GBP 120K modernization program for HMRC (Gov.) with Accenture (UK)
- Created UI Framework to enable 30-member migration team
- Enabled 3 agile teams through up-skilling training
- Lead multi-year licensing platform modernization for the State of Massachusetts
- Designed a custom life-cycle management app for GE aviation engine development programs
- L3 support and enhancements for reconciliation and substitution system of J.P. Morgan Chase
- Developed and supported Travel advisory system for GE Corp in Java
- Built KX automation portal for GE central procurement systems in Java

Education

DAVV University | Bachelor of Engineering   **2005**

Major: Information Technology

Certifications

AWS Certified Solutions Architect Professional	2022
AWS Learning: Serverless	2022
AWS Certified Developer Associate	2022
AWS Certified Solutions Architect Associate	2020
Microsoft Azure Fundamentals	2020