Subhadip Mitra

Technical Leader • Inventor • Researcher

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Professional Summary

Leading Google Cloud's Data & Analytics practice across Southeast Asia. Built 0-to-1 regional organization establishing premier Data & Analytics practice. Member of delta - Google Cloud's elite innovation and transformation team architecting enterprise AI solutions at scale across JAPAC.

Professional Experience

Google Cloud - Professional Services Organization: Data & Analytics Manager — Site Lead, PSO Southeast Asia *January 2021 – Present*

Built and lead Google Cloud's Data Analytics practice across Southeast Asia (7 countries) while serving as Site Lead overseeing regional delivery operations. Member of delta - Google Cloud's elite innovation and transformation team architecting enterprise AI solutions at scale across JAPAC.

- Direct a $XXM+ Data Analytics delivery portfolio across JAPAC while simultaneously overseeing a $XXM+ cross-practice delivery portfolio as Site Lead for Southeast Asia
- Spearheaded organization-wide agentic AI transformation across PSO JAPAC, driving operationalization and adoption for both external customer solutions and internal productivity gains
- Published multiple technical innovations including UPIR (distributed systems synthesis), FTCS (Field-Theoretic Context System), ETLC (Extract, Transform, Load, Contextualize) and ARTEMIS frameworks
- Led critical interventions for strategic accounts across JAPAC including major financial services and consumer electronics manufacturers
- Executed high-value projects including 12K+ user analytics migrations, first Data & AI Centers of Excellence, and Data Monetization Platforms
- As co-Site Lead, scaled regional delivery excellence contributing to 100% annual revenue target attainment with 97% CSAT

Standard Chartered Bank: Principal Engineer - Data & Analytics Transformation *January 2019 – January 2021*

Led enterprise-wide AI and data platform development serving 11 markets and 1200+ global users, delivering technical excellence while influencing C-suite data strategy.

- Delivered a Self-Service ML Platform that reduced model development time from 6 months to 1 week
- Designed credit risk AI models integrating alternative data sources, improving accuracy by 15%
- Modernized MarTech infrastructure, driving 30% increase in customer acquisition

Think Big Analytics (a Teradata company): Principal Data Engineer / Solution Architect *January 2017 – January 2019*

Architected enterprise-scale data solutions for Fortune 500 clients across APAC, designing scalable platforms with measurable business impact.

- Engineered 5 high-performance data lakes processing 1.2 PB/hour, achieving 20% optimization
- Built real-time fraud detection systems, reducing false positives by 60% and saving $XM annually
- Designed enterprise architectures supporting global Fortune 500 clients across APAC

Earlier Career: Software Engineering, Architecture and Technical Consulting Roles *January 2010 – January 2017*

Progressively advanced through roles in software development, systems integration, and technical consulting within financial services and algorithmic trading domains.

Publications & Technical Disclosures

UPIR: Automated Synthesis and Verification of Distributed Systems
Google, Technical Disclosure Commons, November 2025
Publication: https://www.tdcommons.org/dpubs_series/8852/
GitHub: https://github.com/bassrehab/upir

ETLC: A Context-First Approach to Data Processing in the Generative AI Era
Google Cloud, May 2025
https://services.google.com/fh/files/blogs/etlc_full_paper.pdf

Field-Theoretic Context System (FTCS)
Google, Technical Disclosure Commons, May 2025
https://www.tdcommons.org/dpubs_series/8022/

ARTEMIS - Adaptive Multi-agent Debate Framework
Google, Technical Disclosure Commons, January 2025
https://www.tdcommons.org/dpubs_series/7729/

Data Monetization Strategy for Enterprises
BITS Pilani, December 2023
https://www.researchgate.net/publication/376557741

Education

MBA, Business Analytics	BITS Pilani
MTech, Software Systems	BITS Pilani

Technical Skills

Leadership: Enterprise Architecture, Technical Vision & Roadmaps, Digital Transformation, AI & Data Strategy, Cloud Architecture, C-Suite Advisory, Innovation Leadership

Data Engineering: Petabyte-Scale Data Platforms, Data Pipelines, Real-Time Processing, Data Mesh & Fabric, Apache Spark, Apache Flink, Apache Kafka, Apache Iceberg

AI & ML: Generative AI, Multi-Agent Systems, LLM Fine-tuning, RAG Systems, Prompt Engineering, MLOps, Model Serving, Vertex AI, Anthropic Claude, OpenAI

Programming: Python, SQL, Scala, Go, Rust, Formal Verification, Program Synthesis, Distributed Systems

Cloud Platforms: Google Cloud Platform (GCP), BigQuery, Dataflow, Cloud Composer, Cloud Run, Kubernetes, Terraform

Professional Affiliations

IEEE • ACM • Singapore Computer Society • Royal Institute of Navigation • IIT Madras