

DWAIPAYAN MOJUMDER (Enterprise Architect & AI Strategist)

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PROFESSIONAL SUMMARY

- **TOGAF Certified Enterprise Architect (EA) & AI Strategist** with over **22.6 years** of Diverse Professional Experience in delivering **Highly Complex, Large Scale - EA/Digital/Cloud/AI Transformation Programs & Enterprise Delivery Leadership** initiatives for industry-leading clients in **Manufacturing, Supply Chain, Logistics, Retail, Energy, Automobile, Telecom, Pharma & Biotech, Healthcare, FMCG, Airlines & Aviation, Shipping, Banking, Financial Services & Insurance** sectors - across **Europe, US, Middle-East, & South-East Asia**.
- **Chief Architect (Enterprise & AI Solutions)** at **Hewlett Packard Enterprise (HPE)** - Currently leading multiple **Business (Digital/AI-First) Transformation Programs** aligned to the organization's **Long-Term Planning (LTP) & Future Roadmaps**.
- Experienced in **Program/Project/Product Management**, provided **Training (EA/AI), Agile Coaching & Strategic Consulting**, propelling the adoption of **EA & AI Governance** for **Data-Driven Decision-Making** across major Global Enterprises.
- Collaborated with **Business/Data/Application/Technology Architecture Teams**, performed **Application Portfolio Assessment, Application Rationalization, Legacy Modernization, & Obsolescence Risk Management**, implemented intelligent **Enterprise Architecture Management Tools (SAP LeanIX EAM & ServiceNow APM)** for leading IT organizations.
- Spearheaded the formation of **EA & AI Practices, Processes, and Frameworks**; established robust **EA & AI Governance** and **Architecture Community of Practice (ACoP)**, enforced **Architecture Capabilities** and **EA/Tech Standards**; chaired the **Architecture Review Board (ARB)** and **Steering Committee** meetings; communicated the **ADRs, ARRs** to all Stakeholders.
- Proven ability to influence and align **Senior Business & IT Stakeholders** across **Complex, Matrixed Global Organizations**, driving **Transparency, Accountability, Risk Management, Vendor Management, ROI/TCO-Driven Investments**, and **Measurable Business Value** through **Data-Driven EA Operations**, enabling **Scalable Multi-Cloud Transformation & Migration (Hybrid/IaaS/PaaS/SaaS/Private/Public)** with **Delivery Excellence** and **Operational Resilience**.

SKILLS

- Enterprise Architecture Strategy & Transformations using **SAP Signavio, SAP BTP, SAP LeanIX EAM & ServiceNow APM**
- Application Portfolio Rationalization, Legacy Modernization using **Gartner's "6R" Classification** and **"T.I.M.E." Framework**
- **AWS AI** (Bedrock, SageMaker, Comprehend, Transcribe, Translate, Polly, Lex, Q, Rekognition, Textract, Transform)
- **Google Gemini Enterprise, Vertex AI** (Studio/Search/Agent Builder), **Cloud Run, Document AI, Vision AI, BigQuery AI**
- Highly Skilled and Extensively Trained in **AI/ML, Gen AI, Agentic AI Workflows, Prompt Engineering, EDGE Computing, CyberSecurity, Microservices, DevSecOps (CI/CD), Blockchain, RPA, and IoT** - Led the **HPE AI Practice** and **AI Community**.

TRAINING & CERTIFICATIONS

- **TOGAF:** The Open Group Architecture Framework Certification for Enterprise Architects (**2019**)
- **ICP-ACC:** Agile Coaching Certified Professional Certification (**iCAgile - 2021**)
- **AWS:** AWS Certified Solutions Architect - Professional (**SAP-02 - 2025**), AWS Certified AI Practitioner (**CAIP - 2026**)
- **Google GCP:** Google Generative AI Leader (**GAIL - 2026**), Google Professional Cloud Architect (**PCA - 2025**)
- **ISC(2):** Certified Information Systems Security Professional (**CISSP - 2025**), Certified in CyberSecurity (**CC - 2025**)

TOOLS & TECHNOLOGIES

- **SAP LeanIX EAM & ServiceNow (APM, SPM, CSDM, CMDB, ITSM)**, **ArchiMate, TOGAF Standards, JIRA, Java, DevOps**
- **Gen AI, LLM/RAG/NLP, Agentic AI, Prompt Engineering, Ollama/Hugging Face, MLOps, Python, Unix, GitHub, RPA, IoT**
- **VSCode, Google Antigravity, TensorFlow/Pytorch, Claude Code, Codex, Docker, MLFlow, DVC, Kubernetes, KubeFlow**
- **Master Data Management (MDM), Data Analytics, Databricks/Snowflake, ERP (Oracle/SAP), SQL-PLSQL, DWH, BI-ETL**
- **AWS, GCP, Azure, Crew AI, LangChain, LangGraph, API, MCP, Vector DB & Graph DB (Pinecone/Chroma/Neo4j-HNSW)**

EDUCATION

- **PGP** - Postgraduate Program in Generative AI, ML & Agentic AI, Illinois Institute of Technology (2026 - Expected 2027)
- **Master's** in Information and CyberSecurity (Major - AI & Machine Learning), West Bengal - WBUT/MAKAUT (2026)
- **Bachelor's** in Electronics and Communication Engineering, Karnataka - VTU (2003)

PROFESSIONAL EXPERIENCE (Enterprise Architecture & AI Architecture)

Chief Architect (Enterprise & AI Solutions)

HEWLETT PACKARD ENTERPRISE (HPE) | India | April 2024 - Present

- Implemented **SAP LeanIX EAM** & **ServiceNow APM** across 2000+ Applications for Portfolio Assessment, Rationalization, Modernization, Obsolescence Risk Management - used **"6R" Classification** & **"T.I.M.E." Frameworks**, which **eliminated 18%** of redundant applications - enabled data-driven strategy decisions for **EA Governance** and **Cloud Migrations**.
- Established robust **Technology Lifecycle Strategies**, an **EA KPI Framework** measuring **Architecture Adherence, Portfolio Health, Governance Effectiveness Compliance, Business Value, Cost Optimization, Delivery Management, Performance Analytics** and **Risk Reduction** - with automated reporting & monitoring via **SAP LeanIX, SAP Signavio & ServiceNow APM**.
- Owned **Data Quality Governance** across **EA Meta Model** in **SAP LeanIX EAM**, enforced **EA Standards** for completeness, accuracy/consistency across all domains - drove **Architecture Compliance, Monitoring** and **Remediation** processes.
- Organized **Formalized Design Reviews** via **ARBs, Domain Working Groups, Portfolio Governance Reviews** and **Community Chapters** to drive consistent governance; led **EA & AI Enablement** through structured training programs, communications, workshops, publications and stakeholder alignment initiatives to increase **Architecture Awareness** and **Global AI Adoption**.
- Extensive experience in **EA Tools** - import data using **Fact Sheets/Transform Maps** in **SAP LeanIX EAM/ServiceNow APM**, enable **Capability Mapping, Tech Standards** alignment, delivery of **EA Charters, Roadmaps, App Scoring & EA Dashboards**.
- Led the **AI Center of Excellence**, trained **50+ Architects** for **GEN AI/ML** - delivered 12 pilot projects (Automation of LMS, Hiring Process, SOW Generation, Travel Portal, EA ARB, Chat HPE) that collectively **reduced manual efforts by 40%**.
- Architected end-to-end **GenAI** solutions using **Fine-Tuning, RAG, Vector DB, MLOps, Semantic Grounding, Chunking, Multimodal Embedding, Indexing & Reranking** - reduced internal information search from ~8 minutes to ~30 seconds.

Enterprise Architect & Program Manager

INFOSYS | Belgium/Germany/Luxembourg/Netherlands/France/Spain/Italy/India | May 2015 - April 2024

- Spearheaded **Enterprise-Wide Cloud Modernization** and **Enterprise Data Integration** for a European Client's core IT system - Defined **Target Architecture**, Migrated **Legacy Applications** to **Cloud**, including complex **Cross-Platform Modernization, Re-Platforming & Migration Programs**, resulting in \$2M annual savings, a 30% acceleration in **GTM**.
- Collaborated with cross-functional business and technology teams to align **EA Modernization Roadmaps, Governance Controls, Delivery Management Objectives** and **Strategic Modernization Initiatives** with long-term organizational goals.
- Directed **Portfolio** and **Program Governance Activities** across multiple enterprise transformation engagements, ensuring delivery alignment, risk mitigation & effective stakeholder communication in **Oracle ERP/SAP HANA/DWH** projects.
- Implemented **Responsible AI Governance, Enterprise AI Security** and **Foundation Model** strategies across EU Clients.
- Served as Principal **Pre-Sales Enterprise/AI Architect** on large deal pursuits, contributing to ~\$50M in new business by designing differentiated architecture solutions & delivered C-suite presentations articulating clear, business-focused value.
- Developed **Cloud Migration Plan** and **Strategies** with **Zero-Trust** security, leveraging **Containerization, Microservices** and **Serverless** computing technologies (**AWS, GCP, Azure**) to deliver robust, cohesive, innovative & future-state architecture.

PROFESSIONAL EXPERIENCE (IT Services, IT Consulting & Delivery)

Solution Architect: **COLT TECHNOLOGY SERVICES | Europe/India | January 2009 - May 2015**

Lead Consultant: **GENPACT | China/India | March 2008 - January 2009**

Senior Consultant: **ORACLE CORPORATION | Singapore/India | April 2006 - February 2008**

Software Developer: **CAPGEMINI | India/USA | Dec 2003 - April 2006**