

ADITYA KUMAR MISHRA

Full Stack Solutions Architect | Cloud, AI/ML & Enterprise Architecture

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PROFESSIONAL SUMMARY

Full Stack Solutions Architect with 16+ years of progressive experience across financial services technology at Citi and Tata Consultancy Services, spanning hands-on engineering, technical leadership, and enterprise architecture. Specialized in cloud-native microservices, Salesforce ecosystem architecture, DevOps orchestration, and the integration of AI/ML and agentic AI capabilities into production banking systems. Proven track record leading cross-functional teams of 15+ engineers, modernizing legacy platforms to cloud-native architectures, and aligning technology strategy with business outcomes in highly regulated environments. Currently pursuing an MS in Computer Science with a Cybersecurity specialization at Arizona State University, bringing academic rigor to production-grade security architecture decisions.

CORE SKILLS

Architecture & Cloud: Cloud-Native Architecture, Microservices, Micro-Frontend & Micro-App Design, Module Federation, Spring Boot, Node.js, Angular, React, OpenShift, Pivotal Cloud Foundry, AWS, GCP

AI / ML: AI/ML Pipeline Integration, Agentic AI Development, GenAI & LLM Integration, Github Copilot Enablement, IVR Text-to-Speech Automation

Salesforce Ecosystem: Financial Services Cloud (FSC), Sales Cloud, Service Cloud, Marketing Cloud, Einstein Analytics, Apex, LWC, Aura, Visualforce, SOQL/SOSL, Batch Apex, Salesforce Connect

Integration & Security: REST/SOAP APIs, Kafka/EventHub, Platform Events & CDC, OAuth2, JWT/JWE/JWS, SSL/TLS, Apigee API Gateway, Software Development Security

DevOps & Tools: CI/CD (Jenkins, Copado, RLM), Git, Bitbucket, Jira, Checkmarx, SonarQube, Database Modeling

Languages & Databases: Java, JavaScript, TypeScript, COBOL, PL/I, SQL, DB2, MongoDB, MySQL, MS SQL

PROFESSIONAL EXPERIENCE

Senior Vice President, Ops Tech Engineering and Architecture <i>Citi</i>	Nov 2024 – Present <i>Jacksonville, FL</i>
- Lead engineering and architecture strategy for Ops Tech, overseeing cloud-native application design and microservices modernization at enterprise scale. - Drive alignment between deep software engineering execution and enterprise-level technology strategy across cross-functional teams. - Integrate AI/ML pipelines and agentic AI capabilities into production systems, including LLM-driven IVR text-to-speech transcription for agent record keeping and an advisor-facing Salesforce chatbot for customer servicing. - Deliver key modernization initiatives including Security-Based Lending (SBL), Wealth at Work advisor alignment, Tibco-to-NGA architecture transformation, and Reasonably Available Alternatives (RAA) advisor tooling.	
Vice President, Personal Banking and Wealth Management <i>Citi</i>	Mar 2022 – Oct 2024 <i>Jacksonville, FL</i>
- Architected and delivered full-stack solutions supporting personal banking and wealth management product lines within a highly regulated financial environment. - Led cross-functional teams of 15+ developers building SaaS, microservice, micro-frontend, and micro-app platforms, increasing scalability while reducing infrastructure costs. - Designed and optimized DevOps orchestration pipelines (Lightspeed Enterprise CI/CD) to accelerate deployment cycles and improve release frequency and system reliability. - Delivered Unified Account Opening (UAO) omni-channel platform, LUNA self-service IVR powered by GenAI, and led adoption of GCP/AWS public cloud and Apigee-based API gateway migration. - Collaborated with senior stakeholders to align technology investments with business outcomes across the personal banking and wealth portfolio.	

Associate Consultant / Technical Lead Architect**Mar 2018 – Mar 2022***Tata Consultancy Services (Client: Citibank North America)**Jacksonville, FL*

- Designed scalable distributed systems and cloud-native Salesforce solutions for enterprise financial services clients as Technical Lead Architect.
- Led cross-functional engineering teams through the full software development lifecycle for Salesforce-based campaign management, Member Get Member, and rewards platforms.
- Applied database modeling and secure coding principles (Checkmarx, SonarQube) to deliver robust, compliant application architectures for regulated industries.
- Built REST/SOAP, Platform Events, and Change Data Capture integrations connecting Salesforce with core banking product processors and external partners.

Assistant Consultant / Software Lead Engineer**Mar 2015 – Feb 2018***Tata Consultancy Services (Client: Citibank North America)**New York, NY*

- Led software engineering workstreams, translating complex client requirements into technical designs and working implementations for regulatory programs including FATCA and HMDA mortgage transformation.
- Mentored junior engineers and enforced coding standards and best practices across development teams.
- Contributed to architectural decisions supporting large-scale enterprise application builds for financial services clients.

Information Technology Analyst / Software Engineer**Mar 2010 – Feb 2015***Tata Consultancy Services**New York, NY / Mumbai, India*

- Developed and maintained enterprise mainframe and distributed applications as part of large, globally distributed engineering teams.
- Progressed from Software Engineer to Senior Software Engineer, taking on increasing ownership of design and development responsibilities.
- Supported system integration, testing, and deployment activities across multiple client engagements, including GEMS modernization and PL/I-to-COBOL conversion.

EDUCATION**Master of Science, Computer Science (Cybersecurity)****2026***Ira A. Fulton Schools of Engineering, Arizona State University***Bachelor of Engineering, Electronics and Telecommunication Engineering****2009***Silicon Institute of Technology (SIT), Bhubaneswar***CERTIFICATIONS**

Claude 101 (Anthropic) | Cybersecurity Professional Certification | Big Data Professional Certification | Engineering Excellence (EE3 – Advanced) | Salesforce Certified Administrator | Copado Certified Administrator (Fundamentals I) | Copado Certified Developer (Fundamentals II) | Flosum Certified Administrator