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Top Skills

Distributed Systems
Hive
Technology Management

Certifications

AMCAT Certified Software Engineer
- IT Services
AMCAT Certified Software
Development Trainee

Patents

Data analytics without exposing
content of the sensitive data
Facilitating updates to data pipelines
using modularly-generated platform-
agnostic data pipeline portions
systems and methods
Platform Agnostic Data Pipelines
Modularly-generated platform-
agnostic data pipeline
Platform-agnostic data pipeline via a
low code

Ashutosh Pandey

Patent-Holding Global Tech & Innovation Leader | VP with 15 Years
in Enterprise Data Solutions & Strategic Global Team Management.
Tampa, Florida, United States

Summary

A dynamic tech enthusiast with a proven record of steering enterprise-grade data processing and reporting solutions, I excel at driving innovation and efficiency across global teams. With a rich blend of leadership experience, patented technological breakthroughs, and a strategic mindset, I am dedicated to leveraging technical excellence to solve complex business challenges and foster transformative growth. Masters in Project Management, B Tech in Computer Science & Engineering.

Experienced Professional with industry accolades & recognition. Experience in building Data pipelines with distributed programming paradigms and agile methodologies with commitment to transforming enterprise data processing and information reporting through innovative, agile, and scalable solutions.

Hands On Experience on Java, Python, C, Spark, Big Data Architecture, Cloud Solutions, Snowflake, Oracle, Neo4j, Kafka, Tibco, Micro-Services, Kubernetes, Machine Learning, Data Science, Openshift, Kubernetes, Elasticsearch, NLP, Vector Database, Jenkins, Teamcity, Harness, Embeddings, LLM, RAG CAG, Tekton, Gen AI, Predictive Analysis, Deep Learning, Bash & unix architecture, Scalable solutions & architecture, low latency applications using Quarkus & GraalVM, Network to Business low level Data processing. Understanding of Financial domain and expertise of wealth Business processes and functions

Experience

Citi

11 years 1 month

Vice President - Investment Data & Analytics for Citi Global wealth
January 2025 - Present (10 months)

Tampa, FL

Building next generation cloud ready data mart for Citi's high affluent business endeavor. Using spark, hive & snowflake to create a unified financial domain mart to help business do accounting, sales, analytics, marketing & financing needs. Working in a domain driven development ensuring data quality, consistency, Accuracy & timeliness can be trusted in key decision making.

Vice President

January 2021 - December 2024 (4 years)

Tampa, FL

As VP, I lead Platform Engineering for Citi Private Bank, driving innovation in secure analytics, AI adoption, and inner-source software practices. My role spans architecture, compliance, and global team leadership in a highly regulated environment.

Key Contributions:

Architected platform-agnostic data pipelines and AI sandboxes, enabling secure experimentation and scalable deployment of Gen AI and RAG-based solutions.

Spearheaded engineering excellence initiatives, fostering reusable software practices and cross-team collaboration across geographies.

Led the development of diagnostic control systems and metadata graphs to enhance observability, governance, and resilience.

Mentored global teams in ethical innovation, compliance-first design, and upward communication—cultivating a culture of integrity and inclusion.

Actively contributed to Citi's strategic priorities in financial stability, cybersecurity, and responsible AI, aligning technical execution with national interest.

Working on Platform Engineering for Citi Private Bank.

Data & Analytics, Building Data Pipelines.

Reusable inner-source software practices, engineering excellence.

AVP

February 2019 - December 2020 (1 year 11 months)

Tampa, FL

As AVP, I led the design and deployment of scalable data engineering solutions that supported compliance, reporting, and analytics across Citi Private Bank. My work bridged technical execution with regulatory alignment, laying the foundation for enterprise-grade resilience.

Key Contributions:

Engineered secure data pipelines leveraging distributed programming paradigms, enabling real-time financial insights while maintaining auditability.

Implemented modular, reusable components using Spark, Snowflake, and Kafka to streamline data ingestion and transformation.

Collaborated with global teams to embed compliance logic into data workflows, reducing regulatory risk and improving traceability.

Advanced automation in reporting systems, integrating predictive analytics and machine learning models to support proactive decision-making.

Supported platform migration and modernization efforts, aligning legacy systems with cloud-native architectures.

Manager

January 2017 - January 2019 (2 years 1 month)

Pune, Maharashtra, India

As Manager, I transitioned into a strategic problem-solving role, driving innovation across business-critical systems. Exploring new solutions for existing problems.

Key Contributions:

Spearheaded solution architecture for legacy modernization, identifying opportunities to replace outdated systems with agile, scalable platforms.

Conducted deep-dive analyses into existing pain points, proposing novel approaches that improved system efficiency and reduced operational risk.

Fostered cross-functional collaboration to pilot emerging technologies and evaluate their viability for enterprise deployment.

Strengthened compliance posture by aligning technical solutions with evolving regulatory requirements in financial services.

Assistant Manager

October 2014 - December 2016 (2 years 3 months)

Pune/Pimpri-Chinchwad Area

In this foundational leadership role, I focused on securely exposing financial data across systems to enable seamless integration of financial instruments and a unified customer account view.

Key Contributions:

Designed and implemented secure data exchange frameworks to support cross-platform financial visibility, enhancing client experience and operational transparency.

Led efforts to ensure data compliance and integrity across distributed systems, aligning with internal audit and regulatory standards.

Collaborated with global teams to develop scalable solutions for financial data processing, laying the groundwork for enterprise-wide integration.

Applied agile methodologies to accelerate delivery cycles and improve responsiveness to business needs.

Built & deployed services to provide financial data securely so that other financial instruments can easily exchange data for a complete view of the entire accounts for the customer.

Amdocs

Subject Matter Expert

August 2013 - September 2014 (1 year 2 months)

Pune/Pimpri-Chinchwad Area

As a Programming Subject Matter Expert in the Mediation Team, I led technical efforts in high-volume data processing and performance optimization for telecom billing systems. My role focused on ensuring accuracy, scalability, and reliability across distributed environments.

Key Responsibilities:

Engineered solutions for Network-to-Business (N2B) tracing and Call Data Record (CDR) processing, enabling accurate billing and data integrity across telecom platforms.

Diagnosed and replicated known bugs, managed SLA-bound tickets, and ensured timely resolution through structured incident workflows.

Applied advanced JVM tuning and debugging techniques within proprietary Mediation frameworks to optimize system performance.

Integrated diverse downstream connectors including file systems, network protocols, messaging queues (Tibco, Kafka), databases, and JMX interfaces. Conducted product evaluations, pilot testing, and onboarding, while designing DevOps automation pipelines for lifecycle management.

Built and maintained modular, distributed components using Core Java and Python, contributing to scalable architecture and system resilience.

Technical Environment:

Java | Python | Tibco | Kafka | JMX | JVM | Mediation Framework | Network Protocols | Database Systems | Debugging Tools | SLA Management | DevOps Automation

NIIT Technologies Limited

Software Developer

August 2011 - August 2013 (2 years 1 month)

Greater Noida, India

Working on an agile development methodology replace the competent Legacy systems in Air Travel Domain. Our project follows maven compliance and is developed on the very lightweight spring framework with oracle as back-end. The core services hence developed will be routed through a service bus.

Working on SOA model delivering web services in agile based scrum methodology.

Technologies currently working on Java Spring framework, Maven projects implemented through a wsdl SOAP web service on Linux.

Software Incubator - AKGEC

Student Incharge

August 2008 - July 2011 (3 years)

Project Development & Management

<http://www.silive.in/>

Software Incubator is the research and development centre established within the portals of Ajay Kumar Garg Engineering College. Software Incubator has set a foothold in the areas of software development, web-based enterprise solutions, web application and website development. Software Incubator focusses on high integrity and commitment, quality and rigor at every stage of work, passion for excellence, focus on customer satisfaction and an equal opportunity organization that motivates every member to work with passion and commitment. We lay emphasis on Quality Management for all activities that we undertake.

Education

Harvard Business School Online

Diploma Certificate, Strategy Execution · (April 2025 - July 2025)

Sikkim Manipal University

MBA, Project Management · (2011 - 2013)

Ajay KumarGarg Engineering College

Bachelor of Technology, Computer Science & Engineering · (2007 - 2011)

F TEC

Diploma; C.S.E, Computer Applications; 2004 · (2006 - 2007)