

SHANU CHOUDHARY

DATA/AI INTEGRATION.

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CONTACT

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📍 Bengaluru, India

SKILLS

- AI Integration
- GenAI
- Mulesoft
- ADF, Databricks
- LoginApps
- AWS
- LangChain, LangGraph
- Python
- Azure

LANGUAGES

- English (Fluent)
- Hindi (Fluent)
- Spanish (Intermediate)

CERTIFICATION

AZ 900

MCD level 1 and MCD level 2

Databricks Generative AI
Fundamental

PROFILE

Results-driven AI & Integration Engineer with 7+ years of experience in designing, developing, and deploying scalable APIs, AI-powered systems, and enterprise integrations across industries such as finance, healthcare, and retail. Proven expertise in MuleSoft, Salesforce, SAP, Workday, and AI technologies including LangChain, OpenAI GPT models, LangGraph, and n8n. Adept at developing and integrating GenAI solutions, conversational AI agents, and automation pipelines.

Recognized for delivering 500+ production-grade APIs and leading complex projects involving AI model integration, API development, cloud infrastructure, and system modernization. Demonstrates strong capabilities in Python, FastAPI, Terraform, AWS, Azure, Databricks, and SQL/NoSQL databases. Passionate about solving business challenges through innovative AI solutions and committed to continuous learning in the field of Generative AI, LLMops, and AI Infrastructure.

WORK EXPERIENCE

JP Morgan Chase and Co Spetember 2024 - Present

SDE III

- Led enterprise integration projects for Asset & Wealth Management (AWM), delivering APIs that connected Salesforce, Workday, SAP, and internal systems.
- Designed and developed AI-powered solutions using OpenAI GPT models, LangChain, and LangGraph for automating client interactions, generating meeting summaries, and enabling voice-to-text workflows.
- Built and maintained highly secure APIs using MuleSoft, FastAPI, OAuth2.0, JWT, with a strong focus on data privacy and compliance.
- Participated in AI Proof of Concepts (PoCs) for Generative AI-driven client solutions, including automated document processing and knowledge assistants.
- Enhanced and deployed AI-powered features in internal systems for opportunity tracking, mandate management, and financial reporting.
- Contributed to global integration frameworks for reusability and standardization of APIs across multiple business units.
- Collaborated with cross-functional teams spanning US and APAC regions, ensuring high-quality deliverables on accelerated timelines.
- Actively involved in AI Center of Excellence (CoE) discussions for AI model integration and process modernization.
- Led AI-driven chatbot integration for internal knowledge management and client advisory services, improving query resolution speed and reducing manual effort across wealth management teams.
- Streamlined complex data pipelines by integrating Databricks, ADF (Azure Data Factory), and Python-based services, enabling near real-time data analytics and reporting for senior leadership and portfolio managers.



AB InBev (Anheuser-Busch InBev) | December 2022 – September 2024

Senior Integration Engineer

- Led enterprise integration projects across North America (NAZ), South Africa Zone (SAZ), and Asia-Pacific (APAC) regions for complex payroll and financial systems.
- Developed and deployed critical MuleSoft APIs to integrate Workday, SAP, Payroll Systems, and Custom Legacy Applications, ensuring smooth data flow and regulatory compliance.
- Delivered API-first architecture for automating payroll, HR, and finance operations, enabling faster processing across global business units.
- Built high-volume, reusable integration patterns for HRIS, Payroll, and Accounting, reducing integration time for future projects.
- Developed automation solutions to simplify employee data management, benefits processing, and financial reporting using APIs and orchestration tools.
- Enhanced data quality by implementing strong validation layers and exception handling in middleware integrations.
- Coordinated with global teams, including stakeholders from Brazil, Mexico, Europe, and APAC, to gather requirements and deliver robust solutions.
- Supported migration projects involving decommissioning of legacy systems and onboarding modern SaaS platforms.
- Acted as a MuleSoft Center of Excellence (CoE) contributor, creating best practices and reusable API templates for enterprise-wide use.

Shell | January 2021 – December 2022

Integration Engineer

- Spearheaded the design, development, and deployment of enterprise-grade APIs and integration solutions for global energy and logistics operations.
- Developed and maintained MuleSoft-based integrations connecting SAP, Salesforce, Oracle, Workday, and custom in-house systems to streamline critical business processes.
- Engineered robust integration workflows for supply chain, procurement, finance, and HR operations, ensuring high performance and scalability.
- Implemented API security standards including OAuth2.0, JWT, TLS, and role-based access controls to safeguard sensitive business data.
- Automated key business processes using workflow orchestration and event-driven integrations, reducing manual tasks and operational delays.
- Participated in migration initiatives by moving legacy integrations to modern cloud-native platforms using AWS and Azure services.
- Enhanced system observability by integrating logging, monitoring, and alerting for proactive incident management and operational resilience.
- Collaborated closely with global cross-functional teams across Europe, APAC, and the Americas to ensure alignment with Shell's enterprise architecture and integration standards.
- Contributed to the Integration Center of Excellence (CoE), creating best practice documentation, API templates, and reusable components.

Cognizant | June 2020 – December 2020

Integration Engineer (Client: Shell)

- Assigned to a global petroleum and energy client (Shell) as part of a strategic integration project, focusing on supply chain, procurement, and finance system integrations.
- Developed and maintained MuleSoft APIs and Python-based integrations connecting enterprise systems such as SAP, Salesforce, and Oracle.
- Worked on complex integration use cases involving supply chain operations, logistics management, and vendor systems.
- Contributed to key automation initiatives for streamlining operational workflows and improving data accuracy.
- Collaborated closely with the client's internal teams across Europe and Asia-Pacific regions, following Shell's global integration architecture standards.
- Supported cloud migration efforts by integrating AWS services including S3, Lambda, and API Gateway with enterprise systems.
- Developed reusable API components, improving integration efficiency and reducing development time for future projects.
- This role transitioned seamlessly into a direct position at Shell after successful delivery and strong client performance.



Infosys | September 2018 - May 2020

Systems Engineer

- Designed and developed integration solutions using MuleSoft and Java-based APIs for clients in manufacturing sector.
- Built scalable RESTful APIs to integrate core business applications, enabling seamless data exchange between SAP, Oracle, Salesforce, and third-party platforms.
- Assisted in the development of microservices-based architecture for large-scale enterprise applications, improving flexibility and reducing maintenance costs.
- Automated routine data processing and system sync tasks, significantly reducing manual workloads for client operations.
- Participated in client discussions for requirement gathering, technical design, and solution delivery under tight project timelines.
- Enhanced performance of existing API systems through code optimization, caching, and asynchronous processing.
- Supported CI/CD pipelines using Jenkins and Git, and actively contributed to unit testing and debugging of integration services.
- Coordinated with onsite teams in US and Europe for global project delivery.



EDUCATION

JSS Academy Of Technical Education | 2014-2018

BE/BTech - Mechanical Engineering

- Designed and developed a functional mechanical arm prototype aimed at assisting with industrial automation and material handling tasks. Focused on mechanical design, control mechanisms, and precision movements using motors and mechanical linkages—during a period when advanced AI and automation technologies were not yet mainstream.



PROJECT

Ghumastic.com

- Ghumastic: AI-powered travel itinerary platform using OpenAI GPT, LangChain, FastAPI, and Google Maps API for smart trip planning and map-based navigation.

PashuGuru

- PashuGPT: Multilingual AI assistant for farmers using OpenAI, LangGraph, Redis, and FastAPI, offering livestock advisory, agriculture support, and voice-enabled queries.