

DEEPAK PANT

Lead Technical Architect

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SUMMARY

Salesforce Certified AI Associate and **AWS Certified Solutions Architect** with over 11 years of experience in software engineering, cloud architecture, and AI-driven solutions. Specialized in **cloud computing**, **microservices**, and **scalable application design**, with a strong track record of delivering innovative technology projects. Proven leadership in **team management** and **enterprise-grade system development**, enabling organizations to achieve operational efficiency and strategic goals. Adept at leveraging **cutting-edge AI technologies** and cloud platforms like **AWS**, **GCP**, and **Azure** to drive impactful business outcomes.

EXPERIENCE

AI & Cloud Solutions

Freelancer | AI & Cloud Solutions

08/2024 - 01/1970 Noida

- Developed** an AI-driven chatbot for personalized yoga and wellness recommendations, serving over 500 users in the first three months.
- Architected** a FastAPI-based microservice for email marketing, managing over **1 million email deliveries monthly** across AWS and Azure, and **enhanced campaign targeting efficiency by 30%** through AI algorithm optimization.

Lead Technical Architect

Coredge

10/2021 - 07/2024 Noida

- Led** a team of **20 engineers** to design and implement a cloud management portal, reducing deployment time by **40%**.
- Delivered** a digital identity system for a national healthcare initiative, benefiting over **100 million patients**.
- Developed** an IAM solution that reduced security breaches by **25%**, enhancing cloud security for enterprise clients.

Senior Software Engineer/Team Lead

Dew Solutions

11/2019 - 09/2021 Gurgaon

- Built** an Order Management System (OMS) that facilitated negotiations for over **\$200 million** in supply chain transactions annually.
- Created** a reporting tool that provided **20% better insights** into buyer behavior, enabling suppliers to improve their sales strategies.

Senior Software Engineer

Fidelity International

08/2017 - 10/2019 Gurgaon

- Developed** a platform managing over **\$500 billion** in mutual fund transactions annually.
- Launched** a fund model management system, reducing manual errors by 80% and increasing advisor productivity by **30%**.

Software Engineer

CenturyLink Technologies

06/2015 - 08/2017 Noida

- Automated** production processes, improving efficiency by **30%** and saving over **200 hours** of manual work monthly.
- Built** a provisioning service that handled over **100,000 high-speed internet requests** annually.

Software Engineer

S-Beta Technology Pvt. Ltd.

06/2013 - 06/2015 Delhi

- Developed customer support tools, reducing ticket resolution time by 20% and handling over 5,000 tickets monthly.
- Improved pharmacy management tools, leading to 15% better inventory accuracy across 10+ locations.

SKILLS

API	AWS	Azure	Cloud Computing
Cloud Security	Data Science	Docker	
GCP	Github	Java	Jenkins
Kubernetes	Microservice	micro-services	
MongoDB	Oracle	Postgres	Python
SalesForce	Spring Boot		

PROJECTS

Cookiecutter for ML and RAG

Modified Cookiecutter for ML and RAG Project Structures

- Forked and enhanced the open-source Cookiecutter project to create a Python-based ML and Retrieval-Augmented Generation (RAG) project structure.
- Enabled project setup with a single command, ensuring adherence to industry best practices and reducing setup time by 50%.

Ansible Software Deployment

Ansible-based Remote Server Software Deployment

- Developed a project to automate software package deployment on remote servers using Ansible.
- Automated the installation of essential software like Python, Java, and Docker, improving deployment efficiency by 40%.

AI Chatbot with PDF Upload

PDF-based AI Chatbot

- Created a chatbot leveraging LangChain, enabling users to upload PDFs and ask contextual questions.

EDUCATION

Master of Science in Data Science

IIIT Bangalore

11/2023 - Present

B.Tech in Computer Science and Engineering

Uttarakhand Technical University

08/2009 - 05/2013

CERTIFICATION

AWS Certified Solutions Architect - Associate

Salesforce Certified AI Associate

