DIPESH D

AI DEVELOPER SOLUTIONS ARCHITECT, 8+ years experience
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AI Developer Solutions Architect with 8+ years spanning data engineering, ML NLP, and cloudnative AI product development. Started with Python, SQL, databases, and AWS; progressed to senior delivery with predictive analytics and basic NLP. As a part of the core product team working directly with co founders to design, code, and deploy enterprise AI products for BFSI shipping MVP features to production daily. Expertise includes LLMs, Retrieval Augmented Generation (RAG), multi agent workflows, and AWS deployments aligned to compliance and enterprise IT standards.

INDUSTRIES: Software and Platforms

TECHNICAL SKILLS

• Azure	8 years
• AWS	8 years
• API Development Integration	8 years
• Backend Node.js	8 years & 2 months
• Python	8 years
• Docker	5 years
• Workflow automation	2 years & 5 months
• Prompt Engineering & Optimization	2 years & 4 months
• LLM Integration	2 years
• Pinecone	2 years
• Large Language Model	2 years

PROJECT DETAILS

• Credit Risk AI Platform

Project Description: End-to-end AI platform for BFSI underwriting integrating document intelligence (OCR, schema normalization), RAG over financial documents, and multi-agent reasoning.
Responsibilities: End-to-end AI platform for BFSI underwriting integrating document intelligence (OCR, schema normalization), RAG over financial documents, and multi-agent reasoning. The platform automates credit risk evaluation through policy-aware prompting and YAML-driven risk configuration. Deployed on AWS using event-driven architecture (SQS/Lambda) with containerized services (Docker on EC2). Involved in system design, backend development, agent orchestration, AWS deployment, CI/CD implementation, and client demo environment setup
Technologies: : Python, LangChain, LangGraph, ReAct, FastAPI, AWS (EC2, S3, Lambda, SQS, DynamoDB), Docker, SQLAlchemy ORM, YAML, CI/CD (GitHub Actions, AWS CodePipeline)
Industry: Software and Platforms

• Cognitive Sanction Assistance

Project Description: Deployed as AWS microservices with observability, enabling faster and audit-traceable underwriting workflows.

Responsibilities: Designed an explainable AI assistant to assist underwriters in resolving "Amber" loan cases flagged by credit rules. Built a multi-stage document intelligence pipeline integrating OCR and Perfios data. Implemented RAG with hybrid retrieval, LLM reasoning flows, and policyaware prompting for compliance. Deployed as AWS microservices with observability, enabling faster and audit-traceable underwriting workflows.

Technologies: Python, LangGraph, ReAct, FastAPI, AWS (EC2, Lambda, S3, SQS, DynamoDB), Docker, OCR, Perfios, RAG, Vector Search

Industry: Software and Platforms

EDUCATION

• Masters degree in Executive PGDM from Symbiosis International University 2020 - 2022

LANGUAGES

• English - intermediate

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