

AI Developer | Fullstack | AIML Engineer

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Summary: Full-stack & AI/ML developer with engineering background.

Tech: React, Next.js, Node.js, Python, TypeScript, SQL, Tailwind CSS.

AI/ML: LangChain, LangGraph, OpenAI API, PyTorch, TensorFlow, RAG.

Cloud/DevOps: AWS (SageMaker, Bedrock, Lambda, S3), Vercel, GitHub.

Projects:

- Inner Animals AI Dashboard â Next.js, FastAPI, LangChain, Pinecone.
- RAG Q&A System â Python, LangChain, OpenAI, Pinecone, Next.js.
- CAD Autonomous Engine â AI-powered CAD assistant (FastAPI, React).
- AI Health & Fitness Coach â React, FastAPI, OpenAI API.
- Southern Pets Rescue â MERN app with admin dashboard.

Experience:

- Lead Mechanical Design Engineer, Bayou Pumps (Dec 2023â Present):
Python/MATLAB analytics, FEA/CFD visualization, performance insights.
- Automation Engineer, John Deere Reman (Janâ Jul 2023):
Cognex vision, SQL schemas, predictive maintenance analytics.
- Manufacturing Tech Support, Pfizer (Sep 2021â Sep 2022):
IoT monitoring dashboards and image processing for inspection.

Education: B.S. Mechanical Engineering, Louisiana Tech University.

Training: ML & DS (scikit-learn, TensorFlow), LangChain/LangGraph,
AWS SageMaker/Bedrock, Agentic AI, RAG systems, prompt engineering.