RITHESH DAVID

FULL STACK AI ENGINEER | NEXT JS • NODE JS • AWS • LLM/RAG • SALESFORCE

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PROFESSIONAL SUMMARY

Full Stack AI Engineer (**5+ yrs**) specializing in **Next.js/Node.js** applications and production **LLM/RAG** systems on **AWS**, shipping 20+ client-facing AI proofs-of-concept, with 5 progressing to production, from architecture through deployment. Strong hands-on expertise across **Next.js, React, Node.js, Python, AWS, serverless architecture, RAG/LLM applications, AI agents, LangGraph, CI/CD, Docker, and Salesforce**. Experienced in taking solutions from **architecture and POC development through implementation, deployment, troubleshooting, and production support** across web, mobile, desktop, kiosk, and enterprise environments.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Apex, SQL, HTML, CSS

Frontend: Next.js, React.js, React Native/Expo, Tailwind CSS, Zustand, PWA

Backend & APIs: Node.js, Express.js, FastAPI, REST APIs, API Gateway, Lambda

AI / LLM: LLM Applications, RAG, LangGraph, AI Agents, Prompt Engineering, Multimodal AI, Gemini, Whisper/STT, Conversational AI

AWS & Cloud: AWS CDK, AWS Amplify, Lambda, API Gateway, Cognito, ECS/Fargate, ALB, RDS, S3, DynamoDB, VPC, ElastiCache

DevOps: Docker, Git, GitHub Actions, CI/CD, Jenkins, Electron Builder, Linux/Flatpak Packaging

Salesforce: LWC, Apex, SOQL, Flows, Salesforce DX, Jest, Agentforce, Metadata-Driven Development, CRUD/FLS, Governor-Limit-Aware Design

PROFESSIONAL EXPERIENCE

Senior Full Stack Developer — Ikonz Studios, Hyderabad | *2024 – Present*

- Build and maintain production-grade full-stack applications using Next.js, React, Node.js, Python, and AWS.
- Own features across the complete development lifecycle, from architecture and implementation to deployment and production support.
- Delivered 5+ AI and enterprise applications across banking, desktop, and kiosk environments for 5+ client engagements, taking each from architecture through production deployment.
- Designed AWS serverless architectures (Lambda, API Gateway, ECS/Fargate), prioritizing scalability, reliability, and cost efficiency for production banking and enterprise workloads.
- Collaborated with cross-functional teams on technical handovers, integrations, deployment troubleshooting, and production support.

Software Engineer — Capestart, Nagercoil | *2021 – 2024*

- Built full-stack features spanning frontend, backend APIs, and cloud integrations for enterprise client products.
- Developed and maintained applications using React.js, React Native, Node.js, AngularJS, and Docker.
- Reduced API response time by 70% by implementing an AWS ElastiCache caching layer, significantly boosting application performance under load.
- Resolved 250+ Checkmarx security findings through application-wide fixes, strengthening overall security posture and hardening authentication.
- Worked closely with clients and cross-functional teams on feature requests, technical discussions, debugging, and delivery planning.
- Improved application performance, security, and authentication, and built reusable frontend components used across multiple products.

PROJECTS

AI Holographic Banking Assistant | Full Stack / AI Engineer

Technology: Next.js, Electron, AWS (Amplify, S3), Tailwind CSS, shadcn/ui, React Query, Zustand, Redux Toolkit, Vercel, LLM, RAG

- Built an interactive AI-powered holographic banking assistant handling a live daily average of 20-30 customer interactions for real-time conversational banking assistance.
- Integrated the web application with an HXR device to deliver immersive 3D avatar-based customer interactions.
- Developed scalable full-stack applications using React.js and Next.js, with a focus on performance and cross-device experiences.
- Contributed to a multilingual banking assistant platform supporting customer-service workflows and kiosk deployments.
- Built and delivered 20+ AI proof-of-concept solutions under tight deadlines, with 5 progressing to production, transforming concepts into functional customer experiences.
- Deployed applications using AWS Amplify and managed secure media assets through Amazon S3.
- Designed modern interfaces using Tailwind CSS and shadcn/ui, with state and server-state management using React Query, Zustand, and Redux Toolkit.
- Worked on desktop and kiosk deployments using Electron, supporting production-oriented customer experiences.

AI / LLM & RAG Solutions | Full Stack / AI Engineer

Technology: LLMs, RAG, LangGraph, AI Agents, Multimodal AI, Python, Next.js

- Built 20+ AI proof-of-concept solutions covering retrieval-augmented generation, agent workflows, multimodal AI, and developer productivity use cases.
- Developed LLM-powered applications and agentic workflows using RAG and LangGraph for enterprise use cases.
- Explored multimodal AI capabilities to support document and conversational workflows.
- Translated AI concepts into functional, demonstrable POCs suitable for client evaluation and production-oriented development.

Salesforce AI Platform | Salesforce / Full Stack Developer

Technology: Salesforce LWC, Apex, SOQL, Jest, Salesforce DX, Metadata-Driven Configuration, AI

- Built multiple Lightning Web Components and Apex classes for an enterprise Salesforce AI package, maintaining 90%+ Jest test coverage.
- Developed and supported AI-powered document workflows integrated with Salesforce business processes.
- Used metadata-driven configuration to support flexible enterprise application behavior.
- Followed Salesforce best practices around CRUD/FLS, governor limits, testing, and maintainable architecture.

Gridbuddy Connect | Full Stack Developer

Technology: React.js, Node.js, AngularJS, Docker, Jenkins, AWS Elastic Beanstalk, AWS ElastiCache

- Designed and implemented new product features and web architecture across frontend and backend components.
- Reduced API response time by 70% by implementing an AWS ElastiCache caching layer.
- Deployed applications through Jenkins and troubleshot production issues in AWS Elastic Beanstalk.
- Resolved 250+ Checkmarx security findings through application-wide fixes, strengthening overall security posture.
- Made a major contribution to Canvas application implementation for seamless authentication.
- Participated in feature-request meetings and quarterly planning with stakeholders.

CERTIFICATIONS

- Salesforce Certified Agentforce Specialist — Salesforce Official Certification
- AWS Certified Cloud Practitioner — AWS Official Certification
- Additional: 40+ professional and course certifications across software development, cloud, and AI

EDUCATION

BE — Anna University | 2021

LANGUAGES

English | Tamil | Hindi