

Anuragh Ragidimilli

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Professional Summary

Full-Stack Software Engineer with 3.5+ years building enterprise-scale web applications and production Agentic AI systems. Specializes in Next.js/React frontends paired with LangGraph and LangChain RAG pipelines, deployed on AWS for Fortune 500 healthcare clients. Proven track record: 47% reduction in manual processing, 200+ bots centrally managed, and zero data leakage across HIPAA-sensitive document workflows. Pursuing full-time Software Engineer roles in AI-integrated product development.

Technical Skills

Languages: Python, TypeScript, JavaScript, Java, Go

Frontend: Next.js, React.js, Tailwind CSS, React Native, RTK Query, Apollo Client

Backend: Node.js, Express.js, FastAPI, Django, Go (net/http), RESTful APIs, GraphQL, SOA

AI/ML: Agentic AI, LLMs, RAG, LangChain, LangGraph, NLP, TensorFlow, PyTorch, Llama 3, Mistral

Cloud & DevOps: AWS (ECS, ECR, S3, EC2, Lambda, VPC), Docker, Kubernetes, Jenkins, Ansible

Databases: PostgreSQL, MySQL, MongoDB, Redis, Supabase, NeonDB, DrizzleORM

Testing & Tools: JUnit, Selenium, Postman, JIRA, Git, Bitbucket

Professional Experience

Software Engineer

Aug 2023 – Present

United Health Group

Michigan, USA

- Architected a production Agentic AI workflow using LangGraph and Python, implementing cyclic state management and multi-turn reasoning that cut manual process handling by 47% across autonomous agents running complex multi-step healthcare tasks.
- Built and deployed a fully on-premise RAG pipeline using pgvector and Chroma with quantized Llama 3 and Mistral models served via FastAPI, processing 40+ HIPAA-sensitive document workflows daily with zero external data exposure.
- Integrated custom AI agents with internal REST APIs and SQL databases via LangChain, automating 30 cross-platform workflows and eliminating 12 hours/week of manual orchestration.
- Launched Bot Center, a Next.js/React.js centralized robotics management platform, automating operations for 200+ bots with real-time health dashboards and reducing operational overhead by 35%.
- Designed and maintained 45+ RESTful and GraphQL/Apollo endpoints using SOA patterns, enabling real-time data handling across distributed Next.js micro-frontend services.

Project Engineer

Sep 2020 – Sep 2021

Wipro Ltd

Bangalore, India

- Re-architected cloud infrastructure on AWS (EC2, S3, VPC), improving deployment reliability and reducing infrastructure incident rate by 70%, supporting 99.9% uptime SLAs across production workloads.
- Built RESTful microservices using FastAPI and Go, cutting system integration time by 50% and improving cross-team reliability through clearly defined service contracts.
- Developed responsive React front-end applications with JavaScript, HTML, and CSS, boosting user engagement by 40% and improving satisfaction scores by 20% in UX benchmarks.
- Optimized MySQL, MongoDB, and Redis query performance, achieving a 40% reduction in execution time and enabling real-time analytics for client-facing dashboards.

Projects

Oliver – Invisible AI Meeting Overlay | *Rust, Tauri, Whisper STT, CoreAudio, ScreenCaptureKit, SQLite* 2025

- Built Oliver, a native macOS meeting assistant in Rust/Tauri that transcribes audio via Whisper STT and streams real-time AI responses across 6 providers (OpenAI, Anthropic, Gemini, Groq, OpenRouter, Ollama) — rendered invisible to screen recorders via `NSWindowSharingNone`.
- Shipped an AES-GCM-SIV encrypted API key vault in SQLite, full transcript persistence, and a global hotkey system that intercepts input without stealing focus from Zoom or Meet.

WorkSearch – AI Job Search Platform | *Next.js 16, React 19, FastAPI, LangChain, LangGraph, Redis* 2025

- Engineered a LangGraph-orchestrated job search platform with concurrent fan-out across 6 portals (Greenhouse, Lever, Ashby, LinkedIn, Indeed) and a 5-dimension LLM scoring pipeline — generating ATS-optimized resumes and cover letters in under 30 seconds, used by 40+ users with 100+ applications processed. Delivered a Three.js globe for location-based filtering, Kanban pipeline, and Clerk auth; deployed on Vercel and Hugging Face Spaces.

Education

Wichita State University

Wichita, KS

Master of Science in Computer Science

Aug 2021 – Jul 2023

SCSVMV University

Kanchipuram, India

Bachelor of Engineering in Electronics and Communication

Jul 2016 – Jul 2020