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Technical Skills

Frontend: JavaScript, TypeScript, React, Redux Toolkit, React Query, Next.js, Tailwind CSS, Shadcn

Backend: Node.js, Express.js, REST APIs, Golang, JWT, OAuth 2.0

Databases: MySQL, PostgreSQL, MongoDB, Redis, Firebase, Supabase

DevOps/Cloud: Git, Linux, CI/CD, Jenkins, Docker, AWS (EC2, S3), GCP, Vercel

GenAI: Python, LangChain, LlamaIndex, Vector Databases, RAG, LLM APIs

Experience

Fullstack Engineer · Remote (Apr 2025 - Aug 2025)

Weya.ai | AI Workflow Automation for BFSI

- Engineered a multi-prompt calling agent builder with a node-based visual editor utilizing React Flow, handling conditional conversational flows, branching logic, multilingual support, and real-time state synchronization.
- Designed and implemented a visual workflow orchestration system, enabling users to design, edit, and manage multi-agent workflows (Phone, WhatsApp, Email) via drag-and-drop UI, 3rd-party tool integration and cross-agent coordination.
- Built real-time analytics dashboards with D3.js visualizing call volume, success rates, and latency through interactive filtering, and time-series aggregation for live agent performance monitoring.
- Optimized Next.js performance using React Query caching, route-based code splitting, React.lazy() with Suspense, and ISR, reducing Time to Interactive (TTI) by 40%.
- Architected multi-factor authentication with OAuth 2.0 (@react-oauth/google), TOTP verification, JWT access/refresh token rotation with HttpOnly cookies, and role-based access control (RBAC) middleware.
- Resolved Next.js crashes caused by client-side pagination when processing 100k+ agent call records by implementing server-side pagination using MongoDB aggregation pipelines, reducing client-side memory footprint by 75% and enabling stable performance at scale.
- Automated a multilingual generation voice pipeline using Python and ElevenLabs API for TTS (text-to-speech) across agents, integrated AWS S3 with SSE-S3 encryption, and built Node.js APIs for pre-signed URL generation enabling secure frontend audio streaming.
- Played a key role in developing distributed microservices in Go, using Azure Queue Service for message brokering and Redis for state management, implementing a weighted round-robin scheduling algorithm with priority queues for real-time multi-agent calls.

Frontend Engineer · Upwork (Dec 2024 - Jan 2025)

HeyMilo.ai | AI Recruiter for High-Volume Hiring Teams

- Integrated Daily.co (WebRTC) and Vapi SDK into a Next.js application to enable real-time AI-powered video interviewing, reducing connection setup latency by 60%.

- Built a synchronisation layer using Vapi's iframe API to coordinate AI assistant state with Daily.co video rooms, achieving sub-500ms bidirectional event propagation.
- Leveraged TypeScript for strict type safety and maintainable architecture, reducing runtime errors and improving code reliability across the video workflow.
- Designed and implemented responsive, accessible UI components using Shadcn and Tailwind CSS, ensuring consistent cross-device user experience.

Education

Model Institute Of Engineering and Technology

Bachelor of Engineering, BE in Electronics and Communications

Jammu, J&K (2020 - 2024)

Projects

TalkRoom | React, Redux Toolkit, Material UI, Node.js, Redis, Prisma, PostgreSQL, Socket.io, WebRTC, Docker | GitHub | Live

- Built real-time chat application with Socket.IO for messaging, WebRTC for P2P audio/video calls, and server-side file validation.
- Secured chat history and sessions using encrypted PostgreSQL and Redis.
- Developed TypeScript frontend with Material UI, implementing JWT authentication, CSRF protection, XSS sanitization, and rate limiting.

MindVault | React, TypeScript, Material UI, GraphQL, MongoDB, Apollo Server Express, Docker, AWS (EC2) | GitHub | Live

- Architected and built full-stack academic resource management platform with React, TypeScript, GraphQL API, and MongoDB for hierarchical document storage.
- Implemented full-text search, tag-based filtering, GraphQL depth limiting, and deployed on AWS EC2 with Docker and CI/CD.

Campus360 | React, TypeScript, Tailwind CSS, OpenAI API, Vector Embeddings, LangChain, Supabase, Firebase | GitHub | Live

- Engineered an advanced GenAI chatbot for MIET Institute using LangChain.js, OpenAI API and embeddings stored in Supabase vector database for RAG-based retrieval (90% query success rate).
- Designed a responsive interface with React, TypeScript, and Tailwind CSS, integrating Firebase for document storage and reducing campus queries by 50% through 24/7 automated access.
- Research Paper: AI-Based Chatbot for Educational Institutes (Over 1500+ reads).

Agentic AI | OpenAI, Phidata, LlamaIndex, Claude, CrewAI, LangGraph, Google Gemini, Groq API | GitHub

- Curated an Open-source repository with hands-on agentic AI projects utilizing industry-leading frameworks and APIs, garnering 37 stars and 18 forks from the developer community.
- Implemented autonomous agent examples demonstrating agent-centric workflows, multi-agent collaboration, and tool-use patterns using OpenAI, CrewAI, Claude, and LangGraph frameworks.