SKYLAR LEA - SOFTWARE ENGINEER

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SUMMARY

Full-stack software engineer who focuses on building practical, shippable features. I design REST APIs that translate user requirements, schemas that maintain data integrity, and reliable CI/CD workflows (think automated builds, tests, and safe rollouts) to move changes from commit to production smoothly. A background in healthcare makes me mindful of accuracy and safety.

TECHNICAL SKILLS

Frontend: React, TypeScript, Next.js, Tailwind CSS
Backend: Node.js, Express, PostgreSQL, RESTful APIs
Cloud & DevOps: Google Cloud Platform, Firebase, Terraform
Testing & Tools: Mocha, Chai, Git
ORMs: Prisma

EXPERIENCE

Cheil USA (Samsung)   Plano, TX
Full-Stack Software Engineer   05/2025 – Present
- Developed full-stack architecture from the ground-up rebuild of Jebi, a gamified influencer management platform, slashing cloud costs by 65% and enabling its transition into a multi-tenant B2B SaaS product
- Led a backend initiative to scale a multi-channel AI ecosystem (Web, Reddit Bot, Retail VA) that uses GCP Vertex AI and a RAG model to provide scalable, up-to-date responses on Samsung products as well as optimize performance and scalability through model caching, model fallback and circuit breaker integrations
- Engineered a full-stack RAG-powered chatbot using Next.js, TypeScript, and Google Vertex AI's Gemini 2.5 Flash model to automate employee self-service, potentially reducing HR workload by 60% through instant access to company policies, benefits, and IT support
- Partnered with T-Mobile and Verizon to lead development of frontend responsive features from processed and organized JSON data
- Built AI-powered project management platform with React.js and Node.js, achieving 85% timeline forecast accuracy. Reduced project overruns by 30% through intelligent resource estimation and risk prediction algorithms for 200+ concurrent projects
- Backend support/fine-tuning, production/live launch and post-launch maintenance on a cloud-native, full-stack conversational AI for Samsung product support, including voice-to-voice pipeline from Google Cloud Speech-to-Text and custom AI models to ElevenLabs text-to-speech synthesis and audio playback; supported the real-time WebSocket streaming solution for bidirectional voice communication, achieving 95% transcription accuracy and sup

EDUCATION

Chegg Skills   Online
Certificate, Software Engineering Program   11/2023 - 12/2024

University of Colorado - Boulder   Boulder, CO
B.S., Integrative Physiology   05/2018