

# ESMAEIL SAFAEE

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## Professional Summary

Product Engineer | Full-Stack Builder | Founding Engineer | Prompt Engineer

## EXPERIENCE

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### PROFESSIONAL EXPERIENCE

#### Melo | Co-Founder & Full-Stack Product Engineer | Oct 2023 – Present | San Francisco, CA

Built an LLM native video podcast platform from scratch.

- Architected a full-stack AI product using GPT-4, Claude, LangChain, and ElevenLabs to power search, mood-based discovery, and auto-clipping.
- Operationalized real-time transcript pipelines (<100ms latency) with automated topic tagging and semantic clipping
- Designed growth loops and analytics dashboards tracking 12+ key metrics; boosted conversion by 65% and cut production time by 35%.
- Shipped to 80K users with full CI/CD coverage and 99.8% infra uptime and owned full infra (EC2, Lambda, Postgres), CI/CD, and observability
- Prototyped personalized AI experiences that blurred the line between designer intuition and machine guidance

#### Tesla Energy (via Omnidian) | Senior Product Manager, Energy Software Platforms | Sep 2022 – Oct 2023 | San Francisco, CA

Owned Tesla Energy's energy optimization platform serving 300K+ homes and businesses.

- Shipped ML-powered optimization features, cutting grid demand by 20% and saving users \$18M/year.
- Ran competitive analysis, market discovery, and NPS redesign—grew user retention by 15pts and added 32% more net new installs.

#### Tesla Energy | Product Manager, AI & IoT Systems | Jun 2020 – Sep 2022 | San Francisco, CA

• Owned the product roadmap and delivery for Tesla Energy's core software platform, launching ML-driven optimization tools that improved energy and developed automated workflows to streamline coordinator tasks, reducing manual touchpoints by 40%.

#### Oculus VR | Product Manager, XR Interfaces & Spatial Computing | Mar 2019 - Jun 2020 | San Francisco, CA

• Drove the end-to-end product strategy and execution for spatial interaction models on Oculus Quest, leading cross-functional teams to deliver ML-powered computer vision features that boosted user engagement by 40%, set new industry UX benchmarks, and directly influenced Meta's long-term spatial computing roadmap.

## Expertise & Skills

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**Frontend:** React.js, Next.js (App Router + RSC), TypeScript, Tailwind CSS, Redux, React Query, HTML5/CSS3, PWA

**Backend:** Node.js, FastAPI, Express.js, PostgreSQL, MongoDB, Prisma, Mongoose, REST & GraphQL APIs, JWT, microservices

**Cloud & Infra:** AWS (EC2, S3, Lambda, CloudWatch, API Gateway, RDS, DynamoDB, Route 53, IAM), Cloudflare (Pages, Workers, DNS, Rate Limiting), Vercel, Firebase (Auth, Firestore, Functions, Storage)

**DevOps & Tooling:** Docker, Kubernetes, GitHub Actions, CI/CD pipelines, Serverless Architecture, Terraform (basic), Postman, TDD (Jest, Playwright), observability and logging

**LLMs:** OpenAI (GPT-4, function calling), Anthropic Claude, LangChain, ElevenLabs, Ollama

**Prompt Engineering:** Multi-turn agents, dynamic memory, system prompt structuring, retrieval chains, JSON-mode tools, tone/voice conditioning

**RAG & Vector Infra:** Pinecone, Weaviate, FAISS (basic), text-embedding-3-large, metadata enrichment, hybrid search

**Speech & Audio AI:** Whisper, ElevenLabs, real-time transcript tagging, semantic search, clip generation

**Design Tools:** Figma, Adobe Creative Suite (Photoshop, Illustrator, Premiere), and Spline — used for end-to-end design of mobile apps, web apps, and 3D UI/UX interfaces