MIHAIL GUMENNII

Principal Software Engineer · Full-Stack & AI Systems
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SUMMARY

Principal engineer specializing in full-stack architecture and applied AI. Led Carvana's customer messaging rebuild and helped adjacent teams adopt shared engineering practices. Now runs YMI Digital and develops AviaSkill, a live FAA exam tutor with in-house evaluations and model routing.

EXPERIENCE

YMI Digital · Founder & Principal Engineer **Austin, TX** · Jan 2026 - Present

- Led a five-person team that shipped OO Well's CRM, e-commerce site, and native iOS and Android apps from one TypeScript codebase. The stack combined Next.js, NestJS, PostgreSQL, and React Native.
- Integrated the Claude API into OO Well's platform to estimate macronutrients from meal photos. Added typed error handling and capped inference spending per request.
- Designed ArmedStrong's B2B marketplace end-to-end in Figma. Led the architecture and used AI coding tools to implement business verification and licensing across buyer, seller, and admin workflows.

AviaSkill · Founder & Sole Engineer Jun 2025 - Present

- Paired 2,800+ FAA practice questions with a retrieval-augmented generation (RAG) tutor. It uses pgvector to find supporting passages, cites FAA publications, and flags gaps in coverage.
- Developed an evaluation system that scores questions and answers by topic against curated references. Added model routing and spend limits for Claude and OpenAI, plus a Model Context Protocol (MCP) server for codebase queries.

Carvana · Principal Software Engineer / Team Lead **Berkeley, CA** · Mar 2020 - Jan 2026

- Rebuilt web and mobile chat and SMS with Carvana's Special Projects team using React, TypeScript, and Node.js. Reported defects fell by 95%, and the product went 12+ consecutive months without a production incident.
- Standardized testing, observability, code reviews, and CI/CD across adjacent teams. Mentored five engineers and partnered with Carvana's core team on shared design systems and AI adoption across departments.

Mya Systems · Senior Front-End Engineer **San Francisco, CA** · Feb 2018 - Feb 2020

- Set TypeScript standards and introduced new tooling for Mya's React migration. Led front-end architecture for a recruiting chatbot used by four enterprise customers.
- Halved UI development time by creating a company-wide design system and shared application framework.

Anki Inc · Senior Front-End Engineer **San Francisco, CA** · Jun 2015 - Jan 2018

- Launched Anki's online stores in North America, Europe, and Asia as the front-end engineering lead.
- Established delivery standards that internal engineers and agency partners used to launch campaigns three times faster.

BTS · Front-End Engineer 2014 - 2015

Cost Plus World Market · Front-End UI Developer 2011 - 2014

Orange Label / Smart Web Idea · UI/UX Designer & Web Developer 2008 - 2011

SKILLS

Architecture: System design · API design · Design systems · Cross-team technical leadership · Engineering mentorship
Engineering: TypeScript · React · Next.js · Node.js · NestJS · Python · React Native · Expo · REST · GraphQL
AI & data: RAG · LLM evaluation · MCP · Claude API · OpenAI API · PostgreSQL · pgvector · Supabase · Redis
Delivery: CI/CD · Automated testing · Observability · Reliability · AWS · Google Cloud · Cloudflare · Vercel

EDUCATION

Technical University of Moldova Bachelor's degree in Design and Print Technologies 2011
Otus Team Lead and Software Engineering Manager course 2020