

Morhaf Ghziel

Full-Stack Developer — React, Next.js, TypeScript, AI Integration

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PROFESSIONAL SUMMARY

Full-Stack Developer with 5 years shipping production web applications, in product teams since 2021. Builds React and Next.js interfaces backed by real systems — REST APIs, PostgreSQL, auth and payments. Ships LLM-backed products end to end: multi-provider fallback, structured output validation and cost control that keep AI features reliable. Led a frontend team of 3 at INNO and delivered 7 paid client builds solo.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL, HTML5, CSS3

Frontend: React, Next.js (App Router, Server Actions), Tailwind CSS, Framer Motion, GSAP, Three.js, Radix UI, HTML5 Canvas, SVG, Accessibility (WCAG AA), RTL / Arabic Layout

Backend, Data & Auth: Node.js, Express, REST APIs, PostgreSQL, Neon, Supabase, MongoDB, Prisma, Zod, Row-Level Security, NextAuth, Clerk, JWT, OAuth 2.0

AI & LLM: Google Gemini, Groq, LLM API integration, prompt engineering, structured JSON output, schema validation, streaming responses, multi-provider fallback, latency and token budgets, quota and rate-limit control

AI-Assisted Development: Claude, Claude Code, Cursor, Kimi, ChatGPT, Gemini, GitHub Copilot, v0, agentic coding workflows, spec-driven development, LLM-assisted code review and refactoring

Tools & Integrations: Git, GitHub, Vercel, Figma, ESLint, Agile, CI/CD, PayPal, ClickPay, Resend, Shopify, Telegram and WhatsApp APIs, S3 storage

PROFESSIONAL EXPERIENCE

Frontend Lead — INNO

Oct 2025 – Sep 2026 (1 yr)

Riyadh, Saudi Arabia · Hybrid · Full-time

Frontend Developer, Oct 2025 – Feb 2026 · Frontend Lead, Feb 2026 – Sep 2026

- Led a frontend team of 3 developers, setting code standards, review process and a shared component architecture across 15+ screens.
- Rebuilt the company's bilingual corporate site from scratch in Next.js 16, React 19, TypeScript and Tailwind CSS v4, cutting runtime dependencies by 60% and removing roughly 47MB of 3D assets.
- Resolved scroll-performance problems earlier teams could not, by replacing Three.js, GSAP and Framer Motion with hand-written CSS and SVG animation.
- Authored a CSS-only design system with brand tokens, a typographic scale, 22 custom animations and 7 illustrated SVG scenes, with no animation library. Cut image assets from 190KB to about 2KB and met WCAG AA contrast throughout.
- Engineered right-to-left architecture end to end: Arabic as the default server render, CSS logical properties, bidirectional text isolation and locale-aware digit systems, over a typed bilingual content layer with cross-tab language sync.

Frontend Developer — OnlyFounders, Founders Hub Network

Jun 2025 – Nov 2025 (6 mos)

Bangkok City, Thailand · Remote · Contract

- Built the frontend for a Web3 fundraising MVP, translating smart-contract events into reactive UI state with real-time on-chain data and multi-wallet connectivity.
- Architected a scalable frontend in TypeScript, Tailwind CSS and Zustand handling wallet switching, transaction signing and gas estimation without page reloads or state loss.
- Worked with blockchain engineers to align smart-contract logic with frontend behaviour, so non-technical users could transact through an ordinary interface.

Frontend Developer — Union.ai

Nov 2022 – Apr 2025 (2 yrs 6 mos)

Seattle, Washington, United States

- Built FlyteConsole in React and TypeScript, the web UI for visualizing and debugging AI/ML pipelines.
- Led a performance overhaul with webpack code-splitting, on-demand fetching through React Query and virtualized rendering, cutting load times on large workflows.
- Migrated the component library to MUI 5 and modernized the design system based on user studies.
- Shipped a timeline view for long-running executions and a UI for triggers and schedules.
- Built the Flyte 2 observability UI: real-time execution state, dynamic workflow graphs and failure-recovery views.
- Improved the launch form to support complex typed inputs.
- Collaborated on gRPC and protobuf APIs and contributed to the flyteorg open-source project.

Freelance Full-Stack Developer

2024 – 2026

Saudi Arabia · Remote · Concurrent with full-time roles

7 paid client builds, design through deployment. Full case studies at morhaf.me

- **Omdah**, Full-Stack Developer · Oct 2025 – Feb 2026 · Portfolio and CMS for a video production studio. Self-serve admin panel with inline editing and CRUD, presigned-URL video uploads, and a Range-request proxy for smooth scrubbing.
- **Snaya**, Frontend Developer · Dec 2025 – Feb 2026 · Arabic-first marketing site for a talent agency. Motion system built from scratch — marquees, pinned scroll, magnetic buttons, mask reveals, SVG draw-on — no animation libraries.
- **Etar, Alpha Factory and IEDAR** · 2024 – 2026 · Arabic-first e-commerce with ClickPay checkout, a 7-role video production platform, and an architectural studio brand site.

PROJECTS

Craftly — AI CV Generator

github.com/MorhafGhziel/ai-cv-generator · Live: morhaf.me

Next.js · TypeScript · Prisma · Neon PostgreSQL · NextAuth · Google Gemini · Groq · Zod

- Takes a CV as PDF plus any job posting and returns a tailored CV, drafted screening answers and a print-ready A4 PDF.
- Built a dual-provider LLM layer over Gemini and Groq with automatic failover, model-health detection that separates a retired model from a rate limit or timeout, and a shared latency budget that prevents serverless timeouts.
- Validates every response with Zod, retrying once with the parse error fed back into the prompt, and recovers valid JSON from output wrapped in prose. Capped prompt history that had been growing past free-tier token limits.

Archy — Natural Language to Database Schema

github.com/MorhafGhziel/devflow-ai · Live: morhaf.me

Next.js · TypeScript · Prisma · Neon PostgreSQL · Clerk · Google Gemini · HTML5 Canvas

- Turns one sentence describing an app into a live interactive ER diagram, then generates the Prisma schema, TypeScript types and PostgreSQL DDL from the same graph. Canvas hand-built, no diagramming library.
- Calls Gemini over raw fetch with abort controllers and typed retryable errors, no SDK, then repairs model output so it always compiles. Per-IP rate limiting and a shared daily budget sit in front of the model.

Next.js · TypeScript · Supabase · PostgreSQL · Google Gemini · HTML5 Canvas

- Block-based documents and an infinite canvas in one page tree, with an AI sidebar that reads the open page and answers over a hardened proxy with session checks, rate limits and streaming. Editor built on raw contentEditable with 17 block types.

EDUCATION

Bachelor of Software Engineering

Asia Pacific University · Kuala Lumpur, Malaysia · 2021