

YOUSSEF LAKHAL

FULL-STACK DEVELOPER · AI INTEGRATION SPECIALIST

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PROFILE

Full-stack developer and Computing Science graduate with 2+ years of freelance experience delivering production-grade SaaS platforms, client brand sites, and real-time systems.

Comfortable across the full stack — Next.js, Node.js, Supabase, Firebase, Stripe, and the Claude API — shipping end-to-end products solo from brief through deployment, billing, and handoff.

FEATURED PROJECTS

Sculpted Medical Aesthetics — Client Brand Site 2025

[HTML5](#) · [CSS3](#) · [JavaScript](#) · [Vercel](#) · [Custom Domain](#)

- ▶ Designed and delivered a multi-page luxury client website for a Halifax medical aesthetics clinic — service pages for injectables, skin treatments, beauty bar, and massage with SEO-structured headings and meta tags
- ▶ Built a custom loading-screen logo reveal, scroll-triggered fade animations, and a rose-gold design language; deployed under the client's own custom domain

↗ sculptedmedicaaesthetics.com

Delight Maker — Employee Gifting SaaS Platform 2026

[Node.js](#) · [Express](#) · [Firebase](#) · [Stripe](#) · [Claude API](#) · [Resend](#) · [node-cron](#) · [csv-parse](#)

- ▶ Built a full-stack B2B SaaS automating fresh-treat delivery to employees — three-portal architecture serving companies, bakers, and admins from one Node/Express codebase with Firebase Auth gating each role
- ▶ Implemented CSV roster onboarding, Stripe subscription billing with webhook-driven plan management, and node-cron scheduled fulfillment with Resend emails; used the Claude API to personalize deliveries by dietary tags and past gifts

↗ delightmaker-beta.vercel.app

Harbour Automation — Done-For-You Automation SaaS 2026 – Present

[Node.js](#) · [Express](#) · [Supabase \(Postgres + RLS\)](#) · [Stripe](#) · [Claude API](#) · [Nodemailer](#)

- ▶ Building a B2B SaaS that sells and delivers managed automation systems to Atlantic Canada businesses, running the full funnel through one platform: AI application wizard, admin review and invite, client onboarding, and dashboard
- ▶ Backed the platform with Supabase (Postgres) using row-level security policies enforced at the database layer, isolating each client's applications, systems, invoices, and support threads
- ▶ Built a Claude-powered conversational intake that interviews applicants and generates structured lead summaries, plus Stripe retainer billing with webhook-driven payment confirmation and access provisioning

↗ harbour-automation.vercel.app

Farias Soccer Academy — Client Brand Site 2026

[Next.js 16](#) · [React 19](#) · [TypeScript](#) · [Tailwind v4](#) · [Framer Motion](#) · [Lenis](#)

- ▶ Built a fully animated brand site for a Nova Scotia soccer academy on the Next.js 16 App Router with React 19 end to end — ten component-isolated sections covering academy, coaches, programs, pathway, league, gallery, and contact
- ▶ Engineered a scroll-driven motion language with Framer Motion (crest parallax, counter-parallax ghosted wordmark, staggered hero rises, magnetic CTAs) layered over Lenis smooth-scroll for the buttery feel throughout

↗ fsa-website-one.vercel.app

Halifax.AI — AI Agency SaaS Platform 2025 – Present

[Node.js](#) · [Express](#) · [Firebase](#) · [Claude API](#) · [Stripe](#) · [Google Drive API](#) · [Gmail API](#)

- ▶ Architected and built a full-stack SaaS deploying four specialized AI agents (Nova, Atlas, Echo, Vault) serving small businesses across content, analytics, customer chat, and document workflows
- ▶ Built a 7-step AI strategy wizard (Google Places, PageSpeed Insights, Claude API) generating personalized reports, plus Stripe billing with webhook-driven agent provisioning and a real-time Firestore chat dashboard

↗ halifaxai-beta.onrender.com

SELECTED ADDITIONAL WORK

- ▶ **Get Right Cuts — Barbershop Booking.** Real-time slot availability, Twilio SMS confirmations, password-protected admin dashboard. [Node.js](#) · [Express](#) · [Twilio](#). getrightcuts.vercel.app
- ▶ **World Cup 2026 Simulator.** Full-bracket FIFA simulator with physics-based 5v5 canvas matches at 60fps, ELO odds, penalties, and VAR. [Canvas API](#) · [JavaScript](#). worldcup-simulator-flame.vercel.app
- ▶ **Void Rush — Browser Arcade Game.** 15-level shooter with 3 bosses, a custom 60fps engine, particle system, and live leaderboard. [TypeScript](#) · [PixiJS](#) · [Vite](#). voidrush.vercel.app
- ▶ **P2P Encrypted Chat — CSCI 3421.** Peer-to-peer chat with Diffie-Hellman key exchange, XOR encryption, and a live packet intercept panel. [JavaScript](#) · [Diffie-Hellman](#) · [XOR](#). p2p-encrypted-chat.vercel.app

TECHNICAL SKILLS

LANGUAGES

JavaScript ES6+, TypeScript, Python, C# / .NET, Java, C / C++, SQL / T-SQL, HTML5, CSS3

FRAMEWORKS & LIBRARIES

Next.js 16, React 19, Node.js, Express, Tailwind v4, Framer Motion, Lenis, PixiJS, Vite, Svelte

AI & APIS

Claude API (Anthropic SDK), OpenAI API, Stripe (subscriptions, retainers & webhooks), Supabase (Auth, Postgres, RLS), Firebase (Admin SDK, Firestore), Google APIs (Drive, Gmail, Places), Twilio, Resend, Nodemailer

CLOUD & TOOLING

Vercel, Render, Supabase, Firebase, Azure, AWS, Google Cloud, Docker, Git / GitHub, GitHub Actions

CONCEPTS

SaaS architecture, REST API design, OAuth 2.0, webhook-driven workflows, scheduled jobs, real-time systems, CI/CD, responsive & accessible UI

EXPERIENCE

Freelance Web Developer

Self-Employed · Halifax, NS

2024 – Present · 2+ years

- ▶ Delivered production websites and SaaS platforms for local Halifax businesses — full lifecycle from brief through design, development, billing integration, and deployment under custom domains
- ▶ Integrated third-party APIs across client projects: Stripe billing, Twilio SMS, Firebase Auth/Firestore, Claude API, Resend email, Google Workspace
- ▶ Managed client relationships end to end — requirements, revisions, demo presentations, and handoff documentation

Fitness Centre Supervisor

Saint Mary's University — SMUfit

Nov 2022 – Jan 2025

- ▶ Managed daily operations, scheduling, and membership services; led conflict resolution and emergency response under pressure

EDUCATION

Bachelor of Computing Science

Saint Mary's University

Halifax, NS · Sep 2019 – 2025

- Data Structures & Algorithms
- Software Engineering
- Data Communications & Networking
- Database Systems
- Operating Systems
- Mobile Development

LINKS

PORTFOLIO

yousseflakhal.com

[GITHUB](#)

github.com/YoussefLKH