

Lex Algorithm



lexlaboratory.com
lexalgorithm.com

Full-stack developer · product designer · game developer

Designs and builds complete products: from visual identity and interface to backend, infrastructure and app-store releases. Seven in-house products live or in development across web, desktop and mobile. Takes on few projects at a time and carries them end to end.

SPECIALITIES

Full-stack web development · front · back · data

Web apps and SaaS with accounts, subscriptions, payments and admin dashboards.

Game development · mobile · web · real time
Canvas game loops, WebSocket multiplayer, pixel art and App Store / Google Play releases.

3D graphics & visualisation · WebGL · geospatial

Three.js, Cesium and Canvas: live globes, interactive scenes and real-time data.

Infrastructure & operations · DevOps

Linux servers, Docker, nginx, Cloudflare, email, DNS and monitoring of products in production.

Product & UI design · interface · systems · brand

Visual identity, logos, design systems, prototypes and motion for every product.

Desktop applications · Electron · Tauri · .NET

Apps with overlays, hardware integrations and auto-updating distribution.

Audio in the browser · Web Audio · Tone.js
Sequencers, synthesis and real-time visualisers.

AI integration · where it helps

Agents that assist development and features such as EYEINSKY's voice queries.

EXPERIENCE · LAB PRODUCTS

Presidencia 2048 · mobile game · presidencia2048.com

Game design, art and a hybrid app published on iOS and Android.

Boptron · web DAW · boptron.com

In-browser sequencer and synthesis with game-style progression and pixel art direction.

EYEINSKY · 3D visualisation · eyeinsky.org

3D globe with live flights, ships and satellites, plus voice queries.

Mostrana · point of sale · mostrana.com

POS for Mexican retail: Laravel + Next.js monorepo, under construction.

pres.cards · SaaS · pres.cards

Multi-account press-kit platform with Stripe subscriptions and its own dashboard.

juegos.lol · multiplayer · juegos.lol

Party-game platform with rooms by link and a custom WebSocket server.

HiveDesk · desktop ·

hivedesk.lexlaboratory.com

Electron + Pixi desktop app for coordinating AI agents, with its own site and distribution.

lexalgorithm.com · site + dashboard

Official site, EPK, booking form and custom admin dashboard.

STACK

FRONTEND

TypeScript

React 19

Next.js 16

Astro

Tailwind v4

Motion

Vite

Three.js

Cesium

Pixi.js

Canvas / WebGL

BACKEND & DATA

Node Hono WebSockets PHP 8.3 Laravel 12 .NET 9 PostgreSQL MySQL SQLite Prisma
Drizzle tRPC

APPS, GAMES & PAYMENTS

Electron Tauri Capacitor Expo Tone.js Aseprite Stripe Conekta

INFRASTRUCTURE & QUALITY

Docker nginx Cloudflare Pages / R2 Linux VPS GitHub Playwright Vitest