

Arben Kurti

FULL-STACK DEVELOPER

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SUMMARY

Full-stack developer trained at Jensen Education (Front End Developer) who ships software end-to-end — from React/Next.js + TypeScript front ends to Python and Node back ends, PostgreSQL/Supabase data layers, and cloud deploys on Vercel and AWS (Terraform). Equally at home writing scheduling algorithms, designing REST APIs, and provisioning infrastructure as code. Builds real, deployed products, with a bias toward clean architecture and testing. Bilingual product work (English / Swedish).

TECHNICAL SKILLS

Languages TypeScript, JavaScript (ES6+), Python, PHP, SQL, HTML5, CSS3

Backend Node.js / Express, FastAPI, Pydantic, async HTTP (httpx), REST API design, caching

DevOps / Cloud AWS EC2, Terraform, nginx, Vercel, Git / GitHub

Frontend React 19, Next.js 16 (App Router, Server Actions), Tailwind CSS, Bootstrap, Framer Motion, HTML5 Canvas, ARIA / a11y, i18n (next-intl)

Databases PostgreSQL (Supabase + RLS), SQLite, Redis (Upstash)

Testing / Other Vitest, pytest, Web Audio API, scikit-learn, Streamlit, systems (psutil, paramiko)

FEATURED PROJECTS

Atelier Eri — Production Booking SaaS

eris-neils.vercel.app ↗

[Next.js 16](#) · [TypeScript](#) · [Supabase \(Postgres + RLS + Auth\)](#) · [Resend](#) · [next-intl](#) · [Vitest](#)

- Built and deployed a real booking platform with a timezone-aware availability engine (interval math, lead-time buffers, time-off blocks) backed by unit tests.
- Admin dashboard for schedule, services and time-off management, plus automated email confirmations with ICS calendar attachments.
- Full English/Swedish internationalization and locale routing; ~3k lines of TypeScript, live on Vercel.

RETRO CADE — Browser Arcade Platform

github.com/benKrt1 ↗

[Next.js](#) · [TypeScript](#) · [HTML5 Canvas](#) · [Web Audio](#) · [Groq \(Llama 3.3\)](#) · [Redis](#) · [AWS EC2 + Terraform](#)

- 11 arcade games hand-built from scratch on Canvas (Pac-Man ghost AI, Tetris, Asteroids physics) — ~13k lines, no game framework.
- Server-side AI hint system via the Groq API with the secret key kept off the client.
- Infrastructure-as-code deployment (Terraform, nginx, systemd) on AWS EC2 with a Redis-backed global leaderboard.

Swedavia Flight Tracker — REST API Service

github.com/benKrt1 ↗

[FastAPI](#) · [Pydantic](#) · [httpx \(async\)](#) · [TTL cache](#) · [pytest](#)

- Clean API wrapper around Swedish airport flight data, hiding the upstream key and using TTL caching to cut downstream calls.
- One service layer powering a REST API, a CLI tool, and an interactive terminal menu.
- Full pytest suite with the external API mocked — tests run with no network dependency.

Trafikverket Train Board — Real-time Data App

github.com/benKrt1 ↗

Node.js / Express · SQLite · XML API integration

- Parses Trafikverket's XML protocol into clean domain objects and computes live delay statistics.
- SQLite-backed search history and a graceful mock-data fallback so the app runs without an API key.

ALSO BUILT

Accessibility Simulator (React, SVG filters — simulates visual/motor/cognitive impairments) · **Explainable AI — Rule Extraction** (scikit-learn, Streamlit) · **Network Traffic Monitor** (Python Textual TUI, psutil, SSH) · **DM Baumanagement** (responsive, accessible B2B marketing site).

EDUCATION

Jensen Education — Front End Developer

Sweden · 2025–2026

Coursework: JavaScript, OOP, Python, PHP, WordPress, HTML / CSS / Bootstrap.

Codecademy — 21 completed courses

Self-directed

JavaScript, React / TypeScript, CSS, and full-stack project tracks.

ADDITIONAL

Self-directed learner · security awareness (pentest reporting) · languages: English, Swedish, Greek. [\[Add work experience / availability / driving licence if relevant\]](#)