

ENES ELHOVETE

Full-Stack Developer & SaaS Founder | AI/NLP | Multilingual Product Engineering

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PROFESSIONAL SUMMARY

Full-stack software engineer and entrepreneur based in Istanbul, recently graduated in Software Engineering from Istanbul Sabahattin Zaim University. Three years of hands-on experience shipping production SaaS platforms end-to-end — from database and multi-tenant architecture to payments, security, and deployment — across education, e-commerce automation, and hospitality tech, most of it trilingual (Arabic/English/Turkish) for real, paying clients. Founder of one live platform and lead builder on several others, with a demonstrated ability to take a product from a blank repo to production without hand-holding. Backs that practical depth with formal AI/NLP training, evidenced by an AA-grade thesis applying BERT-based deep learning to emotion detection in Turkish text.

KEY PROJECTS

RaqMenu — Founder & Lead Developer

Multi-Tenant SaaS Digital Menu Platform · raqmenu.com · React 19, Vite, Supabase, Vercel · AR/EN/TR

- Founded, architected, and independently built a live multi-tenant SaaS platform letting restaurants run digital menus, orders, and analytics from one application, serving restaurants across multiple countries.
- Designed three distinct user-facing surfaces — a public marketing site, a Master Admin control panel, and a Store Admin panel — plus a public customer menu reachable by QR code, with role-based access for master_admin, store_admin, manager, kitchen, and staff roles.
- Built a full commercial layer: subscription plans with per-feature gating, Stripe-style payment receipt approval flow, promo codes, and a referral & loyalty points system with redeemable rewards.
- Implemented real-time multi-language support (Arabic RTL / English / Turkish) with 8 selectable landing-page layout variants, an admin-editable site theme system, and a customer menu with 10+ visual themes.
- Engineered platform-wide analytics (visitor fingerprinting, sessions, page views), a support ticketing system, an admin-to-store notification system, and multi-currency exchange-rate conversion across 19 currencies with automatic caching.
- Shipped production security and reliability practices: AES-CBC encrypted credential storage, image upload validation and cropping, full SEO infrastructure (dynamic sitemap, JSON-LD, hreflang), and a complete offline/demo mode with mock data fallback for zero-downtime demos.

LWEY Eğitim Platformu — Freelance Client Project (Complete & Live)

Trilingual Learning Management System · lwey-egitim-platform.com · Next.js 16, TypeScript, Supabase · AR/EN/TR

- Delivered a production-grade, fully trilingual (Arabic/English/Turkish, RTL-aware) LMS that replaced the client's existing Moodle deployment, covering six distinct roles: super_admin, admin, support, teacher, student, and guest.
- Built a complete course system supporting video (YouTube and direct upload), PDF materials, quizzes, and assignments, plus real-time one-to-one and group chat and an in-app/email notification system, using Supabase Realtime.
- Implemented row-level security across all database tables, a service-role admin path for guest access, and a custom domain/email pipeline (Spaceship domain, ImprovMX, Supabase Auth SMTP via Resend).
- Drove full technical SEO: 900+ Arabic/English/Turkish keywords, JSON-LD structured data for Organization/Course/Person, hreflang alternates, and Google Search Console + Bing Webmaster verification.

SendsBot — Founder & Lead Developer (Actively In Development)

AI-Powered WhatsApp & Instagram Business Automation SaaS · sendsbot.com · Next.js 16, Supabase (pgvector), Gemini 2.5 Flash, Baileys, Railway

His most heavily invested and technically ambitious build to date: a full SaaS platform that lets businesses run AI-driven WhatsApp (and Instagram) conversations, campaigns, and e-commerce automation from one dashboard — currently on its 66th sequential production database migration.

- Built an AI reply engine on Gemini 2.5 Flash with Retrieval-Augmented Generation over product catalogs and business knowledge sources (pgvector embeddings, semantic product search, URL-ingested knowledge base), explicit response caching for cost/latency, and an explicit anti-hallucination guardrail so the bot only answers from indexed business content.

- Shipped full AI observability: an admin-facing reply log capturing the exact prompt, retrieved context, retrieved products, model, latency, and outcome for every AI-generated reply, plus an opt-in gate so read receipts stay off by default until the customer opens the chat themselves.
- Integrated live e-commerce automation with the Salla platform: OAuth store connection, abandoned-cart recovery with customizable multi-touch WhatsApp reminders, automated 'where's my order' status lookups, opt-out/stop-word compliance enforced across every outbound send path, and per-device daily send caps.
- Engineered the WhatsApp channel on Baileys with a persistent per-recipient campaign queue that survives restarts, scheduled campaigns, smart reconnect backoff and dead-session detection, history sync on device linking, and a human hand-off ('Take Over') flow with keyword shortcuts.
- Built the full SaaS back office: subscription plans/billing lifecycle on a daily cron, activation codes, a referral program with withdrawal approvals, role-based staff/team permissions, a unified inbox spanning WhatsApp and Instagram, and a 20+ page admin panel (analytics, broadcasts, blog/careers/partners CMS, unified audit and API logs).
- Enforced Postgres Row-Level Security across every table, encrypted third-party tokens (Salla, Instagram), Sentry error monitoring on the WhatsApp server, and safeguards against duplicate WhatsApp sessions.

Adim Anadol Rent A Car — *Freelance Client Project (In Development)*

Car-Rental SaaS · Next.js 16, TypeScript, Supabase · AR/EN/TR

- Building a trilingual car-rental platform for an Istanbul rental company, covering a customer-facing booking site, an admin back office, and a walk-in counter mode, executed in numbered delivery phases via Claude Code.
- Designing a custom session layer (no third-party auth), Gemini 2.0 Flash-powered document OCR for walk-in ID scanning, and automated PDF contract/receipt generation.

Emotion Detection in Turkish Social Media Text — *Graduation Thesis, Grade: AA*

BERT / Deep Learning / NLP · Team of 3 · Advisor: Doç. Dr. Cevat Reşit

- Led a three-person team (with Ziyad Alhuthari and Mohammed Alhamoud) to design and evaluate machine learning, deep learning, and BERT-based models (BERTurk) for emotion classification on Turkish tweets.
- Benchmarked BERTurk across multiple datasets, achieving high accuracy overall while surfacing and clearly documenting an anomalous drop in performance on one dataset (30.80%) — a finding presented explicitly in the defense rather than smoothed over.
- Produced and defended a full research package: implementation, a formal defense presentation, and a research poster; delivered the final defense and received an AA grade.

ADDITIONAL PROJECTS

- **Flask Video Splitter** — Flask/MoviePy web app for uploading and splitting videos into precise segments, with Flask-Mail/SMTP-driven notifications and server-side upload validation.
- **Instagram Username Checker** — Python/Selenium/Instaloader batch automation tool with a Tkinter GUI, dual-fallback reliability, and one-click Excel export; cut manual lookup time by 95%+.
- **Responsive Gym Website** — Fully responsive multi-page site with full-screen video backgrounds and CSS animations, optimized across breakpoints.

EDUCATION

B.Sc. Software Engineering — Istanbul Sabahattin Zaim University (IZU)

Istanbul, Turkey | 2021 – 2026

- Core studies: Data Structures & Algorithms, Object-Oriented Programming (C/C++), Database Design & SQL, Computing Systems & Digital Logic, Leadership & Communication.
- Graduation thesis: Emotion Detection in Turkish Social Media Text using BERT-based deep learning (AA grade).

TECHNICAL SKILLS

Languages	JavaScript (ES6+), TypeScript, Python, SQL, Dart, HTML5/CSS3, Java, C, C++, C#, Bash, PowerShell
Frameworks	React (v19), Next.js 16, Flutter, Express.js, Flask, Node.js, Tailwind CSS, Framer Motion, .NET
Databases	PostgreSQL (Supabase), MySQL, Firebase (Firestore), SQLite, MongoDB
Architecture	Multi-Tenant SaaS, Row-Level Security, RBAC, i18n/RTL, REST/SPA, Realtime, MVC

DevOps & Tools	Git, Docker, Vercel, Supabase, Heroku, AWS S3, Vite, Claude Code, ESLint, VS Code
Security & Auth	JWT, bcryptjs, OAuth 2.0, AES-256/CBC, RSA, HTTPS/TLS, DOMPurify, CORS, Rate Limiting
APIs & Services	Stripe, Supabase Auth, Resend, EmailJS, Google Gemini, Google Maps API, Exchange Rate APIs
Data & Automation	Pandas, NumPy, Matplotlib, Seaborn, OpenCV, Selenium, BeautifulSoup4, Scrapy, MoviePy

LANGUAGES

Arabic (Native) · English (Professional / Fluent) · Turkish (Fluent)

ADDITIONAL INFORMATION

Nationality: Palestinian & Turkish | Interests: Web Design, Photography, Open-Source Development