Mehmet Şener Türcan

Full-Stack Developer — React · Node.js · Supabase (PostgreSQL) · TypeScript

Email: ttmehmet.sener@gmail.com | Website: https://jantecreative.com | Location: Türkiye (remote, UTC+3, overlaps EU / US East hours)

Summary

Full-stack developer with 3+ years of hands-on experience building and shipping production web and mobile applications with **React**, **Node.js** and **Supabase**. I own features end to end: PostgreSQL schema and migrations, Row Level Security, server-side logic (Node.js, Edge Functions, API routes), React front ends, payments, deployment and maintenance. My Supabase projects are used by real clients every day, including a multi-role operations panel (~30,000 lines, 115 commits), a live e-commerce store, and mobile apps on the App Store and Google Play. I use **Claude Code** daily, have integrated the **Anthropic Claude API** into production features, and fine-tune local LLMs (Qwen, Gemma; LoRA/QLoRA) and computer vision models (PyTorch, YOLO). Open to **full-time or part-time remote** roles and contracts, with overlap with European and US East Coast hours. Available to start immediately.

Key achievements

- **Production Supabase at scale for a real client:** multi-role operations panel for a construction company — ~30,000 lines, 38 pages, 16 API routes, 6 roles, Realtime notifications, used daily with live data.
- **Security-first data layer:** multi-tenant Row Level Security (24 tables, 33 policies) verified by **32 automated database tests** running in embedded Postgres.
- **Shipped to stores:** React Native apps live on the App Store and Google Play with Supabase Auth (Google/Apple), subscriptions (RevenueCat) and push notifications.
- **Server-trusted commerce:** live e-commerce store where Supabase Edge Functions validate prices and reserve stock on the server.
- **Own product on sale:** Gozco, an Electron + React desktop app for managing Claude Code sessions, with paid licenses, installer and release pipeline.
- **AI in production:** Claude API features (invoice OCR from photos, food-label vision to structured JSON, grounded assistant); daily Claude Code user.
- **Node.js back end:** TypeScript REST API with Fastify, Prisma, PostgreSQL, job queue and worker process, covered by Vitest and Playwright tests.

Technical skills

Front end:	React 18/19, Next.js (App Router), Vite, React Native, TypeScript, JavaScript, Tailwind CSS, shadcn/ui, Radix, TanStack Query, Zustand, react-hook-form, Zod, PWA, i18n
Back end:	Node.js, Express, Fastify, Next.js API routes & server actions, REST APIs, webhooks, cron jobs, job queues, Prisma
Database:	Supabase, PostgreSQL, SQL, Row Level Security, migrations, views, triggers, RPC functions
Supabase:	Auth (OAuth, invites), RLS, Storage, Edge Functions (Deno), Realtime, generated TypeScript types
AI / ML:	Python, PyTorch, YOLO, OpenCV, Roboflow, GPU training on NVIDIA (CUDA), dataset labeling and curation, live-camera computer vision, model training and evaluation, Anthropic Claude API, LLM agents
Integrations:	Anthropic Claude API, Resend, RevenueCat, OneSignal, Web Push, Excel/PDF export
DevOps & tools:	Git, GitHub Actions, Vercel, Docker Compose, Claude Code
Testing:	Vitest, Playwright, node:test, PGlite database tests

Experience

Full-Stack Developer & Co-founder — Jante Creative (software & design studio)

2023 – Present · Remote

- Lead engineer for all software projects: built 10+ React / Next.js / React Native applications for clients and in-house products.
- Work in a cross-functional team with designers and business development colleagues; lead the engineering side of every project.

- Renmat (iOS & Android): set up and run Barkod Avı ("Barcode Hunt"), a field program where I manage ~50 ambassadors collecting product data in stores; we set weekly missions and targets, focus the team on them, track progress and turn their feedback into product and data-pipeline improvements.
- MBT operations panel: worked side by side with the construction company's office staff, site managers and workers; gathered feedback on site and continuously improved the system (mobile-first field screens, faster approvals, real-time notifications, invoice reading).
- Designed Supabase/PostgreSQL back ends with multi-tenant Row Level Security, role-based access and automated security tests.
- Delivered an operations panel used daily by a construction company: 38 pages, 16 API routes, 6 user roles, Realtime notifications, AI invoice reading.
- Built and run a live e-commerce store with server-side order validation in Supabase Edge Functions.
- Published mobile apps to the App Store and Google Play with Supabase Auth, subscriptions (RevenueCat) and push notifications.
- Handle requirements, client communication, deployment (Vercel, GitHub Actions) and post-launch maintenance.

AI Engineer — Competition-law compliance tool for a law team (client project)

Sep 2026 – Present

- Offline desktop tool that scans employees' WhatsApp and e-mail for antitrust risk (price fixing, market sharing, bid rigging, information exchange) and ranks findings for the lawyer, with quotes, reasoning and similar Competition Board decisions.
- Fine-tuned local LLMs over 10 training rounds (Qwen3.5-4B, Qwen3-8B, Qwen3-14B, Gemma 4 12B) with LoRA/QLoRA in Unsloth on Kaggle and Modal GPUs; built a corpus of all 10,469 published Competition Board decisions (329M characters) and a 12,049-row training set, including 8,674 Claude-distilled teacher examples.
- Best local model: 0.888 accuracy and 0.920 AUC on a frozen 375-example test set, within 1.3 points of Claude Opus, running fully offline through Ollama.
- Worked with the lawyer through 5 versions of the rule set and label reviews; every training round changed one thing and was measured against the same test set.
- Stack: Python, FastAPI, SQLCipher-encrypted case vaults with a hash-chained audit log, RAG over Board decisions (bge-m3), React + Electron, importers for WhatsApp exports, iPhone backups, mbox and PST.

Computer Vision Engineer — AiSoft

Sep 2024 – Feb 2025

- Started on the data side: labeled and reviewed image datasets in Roboflow, which taught me early how much model quality depends on clean labels.
- Trained and evaluated YOLO object detection models in Python and PyTorch on NVIDIA GPUs (CUDA), including models working on live camera streams with OpenCV.

Mobile Developer Intern — Presidency of the Republic of Türkiye, Directorate of Communications

Aug 2022

- Worked on the press card section of the Directorate's internal React Native app: designed the screens, built features, wrote the code and tested it.

Selected projects

MBT Yönetim — operations panel for a construction company

Client project · in daily use

Manages construction sites, materials and stock, invoices, approval flows, workers and costs. Office side plus mobile-first field side.

Stack: React 19, Next.js, TypeScript, Tailwind · Supabase (Auth, RLS, Storage, Realtime, SQL functions, triggers) · Claude API · Web Push PWA · Vercel cron

- ~30,000 lines, 38 pages, 16 API routes, 115 commits; used daily with live company data.
- 6 roles (owner, site manager, engineer, foreman, accounting, warehouse) with separate route groups.
- Supabase Realtime for live notifications and approval badges.
- Photo of an invoice → Claude API extracts the data → form fills itself.

Gozco — desktop dashboard for Claude Code sessions

Own product · on sale · Windows

Windows app that runs many Claude Code terminal sessions side by side and shows which ones are working, waiting for permission or done; notifies your phone and lets you approve from it. Free tier + paid Pro license.

Stack: Electron, React 19, TypeScript, Vite · xterm.js + node-pty · Fluent 2 UI (TR/EN) · Polar license keys · ntfy push · NSIS installer via GitHub Releases

- Session status from Claude Code hooks posting to a token-protected local HTTP server; resizable grid with drag-and-drop, tray icon, single-instance lock.
- Phone approvals: push notification with Allow/Deny and reply-from-phone, protected by one-time codes bound to each prompt.
- Usage report: a worker thread parses gigabytes of session logs (incl. sub-agents) into per-session token totals and limit forecasts, with a cache.
- Shipped end to end: licensing, installer, release pipeline, landing site and automated UI QA across 2 languages, 2 themes and 3 window sizes.

Site & download: https://jantecreative.github.io/gozcu-site/

Şantiye Hesabı — multi-tenant construction cost SaaS

SaaS · 2026

Self-serve SaaS: sites, stock, timesheets, invoices, suppliers, cost reports; team invites and trial plans.

Stack: React 19, Next.js 16, TypeScript, Zod · Supabase (Auth, RLS, private Storage, views, RPC, triggers) · Claude API

- 7 versioned migrations: 24 tables, 33 RLS policies, 40 SQL functions, 11 views, 19 triggers.
- **32 automated RLS tests** run the migrations in embedded Postgres (PGlite) and verify tenant isolation, roles, invites and plan limits.
- Price data exposed only through finance views, so field roles never see money; audit log, soft delete, rate limiting.

Elfinrose — e-commerce store with admin panel

Client project · live

Online store with a full admin app for orders, products, images, blog, shipping and announcements.

Stack: React 18, Vite, Tailwind · Supabase (Auth, RLS, Storage, 3 Edge Functions, RPC) · Resend · Web Push · Vercel

- `create-order` Edge Function re-checks prices and stock on the server and reserves stock through an RPC; never trusts client prices.
- 23 migrations, 36 RLS policies; custom VAPID Web Push for admin order alerts; TR/EN content.

Live: https://www.elfinrose.com

Renmat — food barcode scanner & health score app

Live · iOS & Android

Scan a product barcode to get a 0–100 health score, additives and allergens; 5,600+ products.

Stack: React Native, React 19, TypeScript, Zustand · Supabase (Auth with Google/Apple, RLS, Storage, RPC, 4 Edge Functions) · Claude Vision · RevenueCat · Next.js admin panel

- Edge Function sends label photos to Claude and returns structured nutrition JSON.
- Server-side versioned scoring; idempotent RevenueCat subscription webhook; welcome email via DB trigger → Edge Function → Resend.

App Store: https://apps.apple.com/tr/app/renmat/id6761067854 · Google Play: https://play.google.com/store/apps/details?id=com.renmat

Unified Inbox — Node.js REST back end

Client project

Service that collects messages from Gmail, Outlook and WhatsApp Business into one review inbox.

Stack: Node.js, TypeScript, Fastify 5, Prisma 6, PostgreSQL, Docker Compose, React + Vite

- REST API with middleware (signed cookies, CSRF, helmet, rate limiting), database-backed job queue and separate worker process.
- 11 Vitest suites plus Playwright end-to-end tests.

KaçaKurulur — PC build price comparison platform

Live · 173 commits

Compares the price of a full PC build across 8 Turkish stores, with compatibility checks.

Stack: React 19, Next.js 15, TypeScript · Node.js worker scripts · GitHub Actions · Chrome extension

- Node.js data pipeline: crawl stores, parse structured data, match products across shops (with tests).

Live: https://kacakurulur.com

Mihrab — mosque finder app

Live · iOS & Android

React Native · Supabase (Auth, RLS, Storage, RPC) · OpenStreetMap with multi-endpoint failover · community moderation with moderator role. Live: https://mihrabapp.com.tr

EczaNabız — pharmacy finance panel

Client project · in use

React 19, Next.js 16 · Supabase (Auth, RLS on all 20 tables, 3 roles with invite codes) · e-invoice XML and bank statement import · Claude assistant grounded on pre-computed data.

Rafta Kalsın — restaurant recipe costing & stock

Client project · in use

React 19, Next.js · Supabase (Auth, RLS, 3 roles) · nested recipe costing with unit conversion, stock ledger, stock count and variance reports.

Apartment management panel

Client project · in use

React, Next.js 15 · Supabase SSR, Admin API · admin / manager / resident roles, invite flow, RLS security test scripts.

Berceste (mobile app) · Zümrüt Kasrı (venue booking panel)

Published · Client project

Berceste: Expo / React Native + Supabase (Auth with Google & Apple, RLS, triggers), Android widget. Zümrüt Kasrı: Next.js + Node.js + PostgreSQL (Prisma), booking and contract flow, secure guest RSVP.

Education

B.Eng. Electrical Engineering — Sakarya University

2018 – 2025

Languages

Turkish — native · English — professional working proficiency (B1+)

Live demos, private repository access and code walkthroughs available on request.