

DOĞANAY BALABAN

Full-Stack Software Engineer

balabandoganay@gmail.com | +90 533 022 4691 | doganay.vercel.app | github.com/DoganayBalaban | linkedin.com/in/doganay-balaban | medium.com/@balabandoganay

Full-Stack Software Engineer with hands-on experience building production SaaS platforms, AI-powered applications, and real-time systems.

EXPERIENCE

Full-Stack Developer Intern, Kafein Teknoloji – Istanbul, TR | *June 2025 - September 2025* | [Live Demo](#) | [GitHub](#)

- Architected a drag-and-drop visual workflow builder in a 4-person agile team, contributing 255 commits and 143K+ lines of code using React, ReactFlow, Zustand, and FastAPI.
- Implemented real-time workflow execution tracking using Server-Sent Events (SSE), enabling live status updates for 20+ node complex workflows.
- Optimized frontend performance with React.memo, lazy loading, and code-splitting; built scalable backend with Dockerized PostgreSQL and Supabase.
- Collaborated on UI/UX design using Figma and participated in agile ceremonies including daily stand-ups, sprint planning, and code reviews.

PROJECTS

Flowbill – Freelancer Business Management SaaS | [Live Demo](#) | [GitHub](#)

- Built a full-stack freelancer SaaS replacing Excel, Word, and WhatsApp; features one-click time tracking with billable/non-billable categorization, automated PDF invoice generation with VAT and discount support, and a client portal for online payment via Stripe.
- Implemented async PDF generation pipeline using BullMQ workers, Amazon S3 storage, Sentry for monitoring and real-time Socket.IO notifications; built a financial dashboard with monthly income summaries, expense tracking, and outstanding payment monitoring.
- Developed a Kanban-style task management board with drag-and-drop (dnd-kit), multi-client/project organization, and audit logging; containerized the full stack with Docker Compose using Next.js, Node.js/Express, PostgreSQL, Redis, and Prisma ORM.

RolyAI – AI Language Learning Assistant | [Live Demo](#) | [GitHub](#)

- Launched AI-powered language learning platform with 20+ beta testers, supporting voice-based roleplay in 9 languages via STT/TTS integration.
- Built cross-platform mobile app with React Native (Expo) and TypeScript; designed high-performance landing page with Next.js, GSAP, and Tailwind CSS; Node.js, Express.js MongoDB on the backend.
- Managed Google Play Console beta release and implemented server-side waitlist system using Next.js Server Actions and Resend.

Retouchly – AI Image Editing Platform | [Live Demo](#) | [GitHub](#)

- Built AI-powered image editing SaaS serving 15+ users with 100+ processed images (avg. 5 edits/user), featuring generation, background removal, and enhancement.
- Developed mobile-optimized interface using Next.js, TypeScript, Zustand, and Tailwind CSS with high Lighthouse scores for fast load times.
- Integrated Replicate API for image processing; deployed on Vercel with Supabase backend for user management, storage, and analytics.

SKILLS

- Frontend: React, Next.js, React Native, TypeScript, JavaScript, Tailwind CSS, GSAP, Redux Toolkit, Tanstack Query
- Backend: Node.js, Express.js, NestJS, FastAPI, Python, RESTful APIs, SSE, BullMQ, Prisma ORM, Socket.IO, Elasticsearch
- Database: PostgreSQL, MySQL, MongoDB, Supabase, SQL, Redis
- Monitoring: Sentry, Posthog, Cloudwatch
- DevOps: Docker, K8s, Git, Microservices, JWT, Vercel, Expo, Figma, Agile/Scrum, AWS, Stripe
- CI\CD: Github Actions, Jenkins, Vercel

EDUCATION

Kırklareli University – B.Sc. in Software Engineering | *September 2022 – June 2026* | GPA: 3.25/4.00