İhsan Yiğit Önay

Software Developer (Backend)

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Summary

Backend developer focused on TypeScript/NestJS and senior Software Engineering student. Long-term intern at Univenn, building AI-powered, MCP-connected web and mobile apps. Interested in LLM integration (LangChain, RAG, MCP) and clean architecture.

Skills

Languages:	TypeScript/JavaScript, Python, SQL, HTML/CSS, Java (basic)
Backend:	NestJS, Node.js, REST API design, JWT, OAuth2, Spring Boot (basic)
Frontend:	Next.js, React, Vue 3, Angular, Tailwind CSS
Mobile:	SwiftUI (iOS), Flutter
Databases:	PostgreSQL, Supabase, MySQL, MongoDB, Prisma
AI:	LangChain, RAG, MCP, Gemini API, tool-based agent integration
DevOps & Tools:	Docker, Docker Compose, Nginx, GitHub Actions, GitLab CI/CD, Kubernetes, Postman

Experience

Univenn Jul 2026 – Present
Software Engineering Intern (Long-Term) *Izmir, Hybrid*

- During the summer internship (Jul – Aug 2026), researched the OSI model layers and gave an internal technical presentation; was then offered a long-term internship.
- Building AI-powered, MCP-connected web and mobile apps with TypeScript and NestJS for Univenn's startups.
- Building **Constel** with SwiftUI and Supabase, an iOS app for Univenn that teaches English through a 3D word map; designed the database schema with migrations and RLS policies.
- At HrPanda, built **HrPanda Design**, an internal tool with MCP and a GitHub PR workflow; redesigned the marketing team's TrendBot web interface and optimized its Slack bot.

Bionluk 2023 – Present
Freelance Software Developer *Remote*

- Delivered backend and web development projects to clients via Bionluk, owning the process from requirements to delivery.

Projects

Atelia – AI Content Atelier | *Next.js 16, TypeScript, ElevenLabs* 2026

- Building an AI platform that produces voiced Reels in the style of connected Instagram and TikTok accounts.
- Combined ElevenLabs voice-over and AI video generation APIs into a working end-to-end production pipeline.
- Built the landing page, authentication and production dashboard with Next.js (App Router), plus a design system based on shared brand tokens.

MAKUtalk (Graduation Project) | *Vue 3, NestJS, Prisma, PostgreSQL, Socket.io* 2024 – 2026

- Built a campus social platform for MAKÜ students with university email (OTP) verification, posts, follows and a second-hand marketplace.
- Automated sentiment analysis and categorization of posts with the Gemini API; added real-time messaging with Socket.io.
- Secured the API with JWT and rate limiting; deployed it to a VPS with Docker Compose and Nginx.

KADIS – Blood Donor Communication System | *NestJS, Flutter, Firebase, Docker* 2025 – Present

- Building a mobile app and backend that connect blood donors with patients in need.
- Set up the authentication module with Firebase in the NestJS backend, and a CI pipeline with Docker and GitHub Actions.

Education

Burdur Mehmet Akif Ersoy University Sep 2023 – Jun 2027 (expected)
B.Sc. in Software Engineering *Burdur, Türkiye*

Languages

Turkish: Native | **English:** B1 (Intermediate) | **French:** A1 (Beginner)