



# OKAN AY

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## SUMMARY

Full Stack Engineer focused on building scalable web architectures and high-performance applications. Specialized in the React ecosystem and Go (Golang) backend services. Experienced in managing the entire frontend lifecycle of complex projects, from system design to production deployment on Ubuntu/Nginx servers. Passionate about clean code and creating reusable, modular component systems.

## WORK EXPERIENCE

November 2024 – Present

**Full Stack Developer | Heraklet Istanbul, Turkey | Project:** [guideofdubai.com](http://guideofdubai.com)

Lead frontend architect for a Super App consolidating Flights, Hotels, and Visa services. Designed the system from scratch to ensure long-term maintainability.

- **Scalable Feature-Based Architecture:** Engineered the frontend structure using a Feature-Based pattern. This decoupled business modules (Flights, Hotels) to allow independent scalability and easier maintenance.
- **Reusable Component Ecosystem:** Built a type-safe UI library (Forms, Modals) using React 19 and Tailwind CSS, standardizing the UX across the platform and reducing development time.
- **System Sustainability & State Management:** Implemented TanStack Router for type-safe routing and Zustand for atomic state management, preventing common navigation bugs and prop-drilling issues.
- **Blog Module Engineering (Full Stack):** Took full ownership of the Content Engine's end-to-end development lifecycle.
  - **Backend:** Built high-performance microservices using Go (Gin) for the blog API.
  - **CMS:** Created a custom editor using Tiptap, enabling the marketing team to embed dynamic product cards into posts.
- **Infrastructure & Asset Optimization:** Configured production environments on Ubuntu using Nginx and integrated Cloudflare R2 for low-cost, high-speed image delivery globally.

## PROGRAMMING KNOWLEDGE

- **Core Technologies:** Golang, TypeScript, JavaScript, SQL.
- **Frontend Core:** React, Feature-Based Architecture, Server-Side Rendering (SSR), Client-Side Optimization, Design Systems (Tailwind CSS).
- **Backend & DevOps:** Gin Framework, PostgreSQL, Redis, Nginx, Ubuntu (Linux)
- **Tools & Libraries:** TanStack Ecosystem (Query, Router), Zustand, Immer, Zod (Schema Validation), Git, Postman.

## EDUCATION

**Istanbul Aydin University Bachelor of Arts in Gastronomy and Culinary Arts** 2017 – 2021

Dedicated post-graduate period to learning modern web architecture and coding principles.