ALPER HALIL

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Software developer with 4+ years of experience, working primarily in TypeScript across frontend and backend: React and Next.js interfaces, Node.js services, and internal tooling. Built a shared B2B component library with its own CLI, a Typesense-based product search across 100,000+ SKUs, and MCP/LLM tooling that gives non-technical staff natural-language access to a production ERP database.

Experience

Schraubenhandel Machholz Nchfg. GmbH

Würzburg, Bavaria, Germany

Software Developer

October 2025 - Present

Software development in the IT department of a screw wholesaler: internal tools, shop frontends, and the AI infrastructure behind them.

Skills: TypeScript, Next.js / React, Node.js, SQL / MCP, Typesense, Tailwind / Alpine.js, Grafana / Prometheus, LLM integration

- **AI tool server for the ERP database**: MCP server that runs read-only SQL against the production ERP database, letting non-technical staff ask business questions in natural language.
- **Agent tooling**: OpenAI-compatible orchestrator that routes requests through intent detection, vector search, and specialised sub-agents.
- **Shop software**: JTL templates for three shops, a Typesense product search over 100,000+ products, and an LDAP-backed employee portal.

Etstur

Istanbul, Turkey

Software Developer

July 2022 - August 2025

Etstur is one of Turkey's largest online travel agencies and tour operators. Modernised B2B web applications with React in an agile, cross-functional team: led the Digital Contract project as sole frontend developer, rebuilt legacy B2B apps on a modern React stack, and led development of a B2B component library based on the UI/UX team's standards, significantly reducing the effort needed to turn designs into code. Represented the frontend in the company's DevOps meetings.

Skills: React, TypeScript (ES6+), MUI, Redux Toolkit, Vite, Storybook, react-email, Node.js, CI/CD (Jenkins)

- **UI Kit**: Transformed Figma designs into a reusable React component library, introducing a CLI tool for easier component integration and organizing documentation with Storybook. Provided reusable React components for Extranet, Intranet, and additional departmental projects, enabling consistent implementation of the new UI Kit across B2B applications and significantly improving design-to-code efficiency. Facilitated cross-team adoption through collaborative workshops and technical guidance.
- **E-mail Template**: Devised and launched a standardized email template system, automating deployments and enhancing consistency. Coordinated with product and design teams to ensure templates met branding and usability standards.
- **Extranet & Intranet**: Improved legacy Extranet and Intranet applications, reducing technical debt as part of ongoing modernization. Fixed bugs on legacy Freemarker code and maintained Java controllers. Built modernized versions by rewriting the frontend in React and integrating with a Java Spring Boot backend through REST APIs, significantly improving reliability and maintainability.
- **Digital Contract**: Started the Digital Contract project as a solo front-end developer, enabling Etstur's contract team to digitalize contract data and track its flow across multiple departments. Collaborated with end-users to deliver solutions, earning company-wide internal recognition for impact.

Experience

1Pixel Digital Agency

Izmir, Turkey

Front-End Development Intern

October 2021 - November 2021

Delivered responsive, high-quality page sections from graphic designs within an agile, Jira-managed workflow.

Skills: HTML, CSS, Liquid, Shopify Templates

- **Shopify Templates**: Created customizable Shopify themes with CMS controls, integrating dynamic store data using Liquid templating to enhance client flexibility.

Projects

Zinn — open-source kanban CLI

TypeScript, MIT, npm: @zinn-dev/cli. Built the SQLite-backed core, the CLI, and integrations that expose tasks to coding agents (OpenCode TUI inspector, Codex). Tested on both Bun and Node; documented at zinn.sh.

zinn.sh · github.com/yethranayeh/zinn

Education & Courses

Academy Peak 16-18 March, 2023
Secure Software Development by Ömer Çıtak

Ege University 2022
B.A. in English Language and Literature