

Ahmet Şimşek

Senior Frontend Engineer - Architecture & Developer Tooling

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SUMMARY

Senior Frontend Engineer with 10+ years of software development experience, specializing in frontend architecture, cross-platform applications and developer tooling.

Experienced in owning technical initiatives end-to-end - from requirements and architecture through implementation, testing, deployment, debugging, documentation and iterative improvement - with hands-on work across hybrid mobile applications, SSR, real-time systems, Node.js backends, serverless platforms, browser automation and AI/agent tooling.

Strong product and architecture mindset with experience mentoring engineers and sharing technical knowledge through documentation and articles. Builds and maintains open-source frameworks and developer tools under Litepacks.

EXPERIENCE

Getir

Senior Frontend Developer | October 2020 - Present | Türkiye

- Designed and maintained frontend architectures across Marketplace administration products and internal tools, with a focus on maintainability, reusable patterns and long-term evolution.
- Designed the frontend architecture of Getir İşyerim, including the communication bridge between WebView and native application layers for a shared hybrid application architecture.
- Developed and evolved a Remix-based internal portal, contributing to application architecture, data flows and maintainability.
- Investigated and resolved cross-layer issues spanning frontend applications, APIs and WebView/native communication, with a focus on root causes and maintainable solutions.
- Contributed to Node.js backend applications and helped establish end-to-end testing infrastructure using Playwright.
- Mentored developers and contributed to technical and architectural discussions across frontend projects.

Full Stack Engineer | November 2019 - October 2020 | İstanbul, Türkiye

- Worked across frontend and backend development before transitioning into a frontend-focused senior engineering role.
- Built and maintained product features across JavaScript frontend applications and Node.js backend services.

edumi.com

Full Stack Engineer | August 2018 - October 2019 | İstanbul, Türkiye

- Built real-time one-to-one and multi-user private tutoring experiences using React, Node.js and WebRTC.
- Worked across frontend and backend components supporting real-time communication and interactive learning experiences.

Admongrel

Software Developer | September 2017 - October 2018 | İstanbul, Türkiye

- Developed HbbTV applications and administration tooling using Node.js, HTML, CSS and JavaScript.
- Built tooling and workflows for developing, managing and serving interactive HbbTV experiences.

Appwox

PHP Developer | July 2017 - September 2017 | İstanbul, Türkiye

- Maintained existing applications and delivered new product features.

Cohous

PHP Developer | July 2015 - September 2017 | İstanbul, Türkiye

- Maintained existing applications and delivered new product features.

TECHNICAL EXPERTISE

Languages & Runtime: TypeScript, JavaScript, Node.js

Frontend & Architecture: React, Remix, SSR, Frontend Architecture, Hybrid Applications, WebView / Native Bridges, PWA, WebRTC, WebSocket, HbbTV

Backend & Cloud: Node.js Backend Development, API Design, SQLite, Cloudflare Workers & D1, Serverless Architecture, AWS (Basic), Google Cloud Platform (Basic), Linux

Testing, Debugging & Automation: Playwright, Puppeteer, End-to-End Testing, Browser Automation, Root Cause Analysis, Cross-layer Debugging, Performance Investigation

AI & Developer Tooling: MCP, LLM Tool Integration, Structured Tool Calling, Agent Workflows, Context Engineering, CLI Development, Framework / Runtime Design, Developer Experience

Engineering & Delivery: Technical Ownership, End-to-End Delivery, Requirement Analysis, Project Planning, Delivery Tracking, Architecture Decision-Making, Technical Documentation, Technical Writing, Mentoring, DevOps Practices

SELECTED PRODUCT PROJECT

TaskBin

Serverless, multi-interface task management system accessible through Telegram, Web/PWA and MCP clients.

Independently designed, implemented, deployed and maintained end-to-end on Cloudflare Workers and D1, integrating Telegram-based authentication, Web Push notifications, scheduled reminders and AI-assisted natural-language task management.

Designed around a structured execution architecture where LLMs interpret user intent and generate structured actions while permissions, validation, time handling and application operations remain deterministic within the application layer.

Key areas: Cloudflare Workers, D1/SQLite, Telegram API, PWA, Web Push, MCP, LLM Tool Integration, Structured Actions, Serverless Architecture

taskbin.one

SELECTED OPEN SOURCE PROJECTS

Litepacks

Independent open-source initiative focused on lightweight web infrastructure, developer tooling, automation and AI-assisted engineering. The projects below are selected examples from a broader collection of libraries, infrastructure tools and engineering experiments.

litepacks.github.io

EUIX

Lightweight declarative UI runtime featuring reactive state management, components, plugins and direct DOM updates without requiring a traditional frontend framework or mandatory build pipeline.

Designed as an exploration of UI runtime architecture, framework internals, state management and lightweight application development.

Webspreso

Node.js web application framework and toolkit for building SSR applications, APIs, multilingual websites and administration tooling.

Focused on providing reusable application infrastructure while retaining a lightweight and extensible architecture.

Screenpool

Browser automation infrastructure built around Puppeteer Core with browser pooling, queueing and concurrency management.

Provides screenshots, PDF generation, DOM access, debugging capabilities and MCP integrations for developer tools and AI/agent workflows.

Docboot

Zero-config documentation tooling that transforms existing Markdown directories into responsive documentation websites.

Designed to work directly with existing project documentation without requiring a separate frontend application, framework setup or file migration.

Unitup

Cross-platform Node.js process and service management tooling built around native operating-system capabilities.

Provides a common API across Linux systemd, macOS launchd and Windows Services for service management, logging and scheduled operations.

EDUCATION

Business Administration | Open Education Faculty - Ongoing