

# ALİ BUĞATEKİN

AI-Native Frontend Engineer

## PERSONAL INFORMATION

|          |                                                                                 |        |                                                                       |
|----------|---------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------|
| Address  | Bakırköy, İstanbul, Türkiye                                                     | Phone  | +90 530 501 53 81                                                     |
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| LinkedIn | <a href="https://linkedin.com/in/alibugatekin">linkedin.com/in/alibugatekin</a> | GitHub | <a href="https://github.com/alibugatekin">github.com/alibugatekin</a> |
| Military | Deferred — paid military service (December 2027)                                |        |                                                                       |

## ABOUT ME

A frontend developer with 3+ years of experience, focused on modern web (Next.js, React, TypeScript) and the AI / agent ecosystem. At filika.co — known for its innovative solutions in the payroll industry — we built next-generation interfaces and AI experiences with Next.js + React + TypeScript on top of a Java/Spring Boot microservice architecture. On the company's Agentic Payroll product — a next-generation, agentic AI-based payroll calculation platform — I worked in the developer/architect/designer role on the frontend side, covering Chat & Agent UI components, MCP-compatible interface patterns and user experience design.

The AI / agent / automation side is my strongest area of focus. I have built company-wide autonomous AI work management systems and designed domain-aware news/information agents; I continue my R&D work on topics such as agent-to-agent communication protocols (A2A) and intent-driven AI E2E testing. I am currently working actively on AI-centric autonomous system architectures and software product development.

My team worked with an AI-Driven Development methodology: a work item is opened, the AI clarifies the requirement through questions and produces code; we performed code review and deployed through AI-assisted pipelines. I was both a user and an improver of this loop.

## WORK EXPERIENCE

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### AI-Native Frontend Engineer

June 2025 – August 2026 · Çanakkale, Türkiye

*filika.co — Filika Yazılım Teknolojileri A.Ş.*

At filika.co, known for its innovative solutions in the payroll industry, I developed next-generation interfaces with Next.js + React + TypeScript on top of a Java/Spring Boot microservice architecture. On the Agentic Payroll product I took on the frontend developer / architect / designer roles, within a development flow where the team worked with an AI-Driven Development methodology.

- ▶ **Built a company-wide autonomous AI work management system** — By integrating the Claude App + GitHub Actions into all of Filika's repositories, I configured GitHub Projects as a Jira-like work management tool; agents autonomously pick up the tasks that are opened and complete them as PRs.
- ▶ **Designed and developed the Agentic Payroll interface** — As architect/designer/developer on the frontend side of an agentic AI-based payroll calculation product: Chat & Agent UI components (message flow, citations, attachments), MCP-compatible interface patterns and user experience design.
- ▶ **Designed and deployed a domain-aware news agent** — An autonomous agent that scans the internet for current news related to the company's domain and pushes it to a Slack channel.
- ▶ **Carried out Next.js major version upgrades** — The 14 → 15 → 16 migrations of Next.js projects running on the App Router.
- ▶ **Applied runtime performance optimization** — Detection of unnecessary renders with react-scan; render efficiency improvements on the MUI v6/v7 + React 19 stack through patterns such as MUI inline sx → styled(), context splitting and createTheme memoization.
- ▶ **Brought the AI-Driven Development methodology into daily practice** — Working with agents in the daily development flow through Claude Code (including slash commands, e.g. /daily-prep), Claude Routines, Codex (UI + CLI), Gemini (UI + CLI) and MCP integrations (Atlassian, GitHub, Notion, Slack).

### R&D WORK I HAVE LED

- ▶ **End-to-end loop for the autonomous coding system** — The closing loop in which the autonomous agent coding system set up on GitHub brings up the code produced by internal agents, tests it, shares the outputs and finalizes the task.
- ▶ **Multi-agent team simulation with the Agent-to-Agent (A2A) protocol** — A multi-agent system architecture in which agents talk to each other like teammates and take action, and can take on company staff roles in isolated environments.
- ▶ **Intent-driven AI E2E testing** — A structure in which internal agents run end-to-end tests in an intent-driven and more active way, replacing static selector-based Playwright/Cypress tests.

### Frontend Engineer

June 2024 – June 2025 · Çanakkale, Türkiye

*filika.co — Filika Yazılım Teknolojileri A.Ş.*

- ▶ Developed and maintained production-grade frontend modules — with React, Next.js and TypeScript.
- ▶ Reduced initial load time by ~40% (7s → 4s) — through bundle and rendering optimizations.
- ▶ Built mobile-first, responsive and accessible UI components — with Material UI.
- ▶ Set up state and form management — React Hook Form + Redux Toolkit + SWR + Context API.
- ▶ Wrote and maintained end-to-end tests with Playwright and Cypress.
- ▶ Ran production error and behavior tracking with Sentry and Mixpanel.
- ▶ Active participation in Scrum ceremonies and peer code review processes.

PERSONAL SKILLS

Core Competencies

Modern web interfaces · Agent / LLM integration · Automation flows · Autonomous AI system architecture · Performance optimization · Frontend architecture

Architecture & Patterns

App Router

Server / Client Component separation

Feature-based folder structure

Custom Hooks pattern

Error Boundary pattern

Frameworks & Libraries — Work

Next.js (14 / 15 / 16)

React 19

TypeScript

Redux Toolkit

SWR

React Hook Form

Material UI (v6/v7)

Frameworks & Libraries — Personal Projects

React

Node.js

MongoDB

Tailwind CSS

Ant Design

GSAP

Remotion

AI / Agent Stack

Claude Code

Claude Routines

Claude App on GitHub

GitHub Actions (AI workflows)

MCP (Atlassian / GitHub / Notion / Slack)

Codex (UI + CLI)

Gemini (UI + CLI)

OpenAI API

Gemini API

Agentic AI

A2A Protocol

Chat / Agent UI

AI-Driven Development

Testing & Quality

Playwright

Cypress

AI-driven E2E (R&D)

Code Review

DevOps & Tools

Jenkins

Rancher

Sentry

Mixpanel

Intercom

Vercel

Digital Ocean

Git / GitHub

Jira

Notion

Slack

Methodologies & Domain

AI-Driven Development

Agile / Scrum

HR-Tech

Turkish Payroll & SGK

FOREIGN LANGUAGE SKILLS

Mother tongue: Turkish

| Language | Understanding |         | Speaking           |                   | Writing<br>Written Production |
|----------|---------------|---------|--------------------|-------------------|-------------------------------|
|          | Listening     | Reading | Spoken Interaction | Spoken Production |                               |
| English  | B2            | B2      | B2                 | B2                | B2                            |

Levels: A1/A2 — Basic user · B1/B2 — Independent user · C1/C2 — Proficient user · CEFR

## SPEAKING & MENTORSHIP

- ▶ Çanakkale Onsekiz Mart University — **Test-Driven Development event**, speaker
- ▶ Çanakkale Onsekiz Mart University — **Software Testing Techniques event**, speaker
- ▶ Çanakkale Onsekiz Mart University — **Career Days**, speaker
- ▶ filika.co public software events — **mentor**

**Themes:** AI agents & agentic workflows · Artificial intelligence and software testing · AI-Driven Development · AI / Claude integration in the frontend · Theoretical & practical knowledge transfer on full-time agents, with real company examples

## SELECTED WORKS & LINKS

### Dev Inspector — In-page DevTools panel

[npm](#)[MIT](#)[v1.1.1](#)[~346 downloads/mo](#)

A modern mini DevTools panel embedded inside the web application that monitors the console and network flow live. Written with zero dependencies and ships with TypeScript support. Actively used in internal projects at filika.co; it has significantly accelerated the team's runtime debugging processes.

**npm:** [npmjs.com/package/dev-inspector](https://www.npmjs.com/package/dev-inspector) · **GitHub:** [github.com/alibugatekinn/dev-inspector](https://github.com/alibugatekinn/dev-inspector) · **Overview:** [alibugatekin.com/tr/apps/dev-inspector](https://alibugatekin.com/tr/apps/dev-inspector)

### Making Software Processes Semi-Autonomous with Agents — Blog post

[AI agents](#)[MCP](#)

A long-form article in which I share how I made my development processes semi-autonomous with AI agents, the MCP architecture I set up, and the gains I achieved.

[alibugatekin.com/tr/blogs/yaz-l-m-sureclerini-agent-larla-yar-otonom-hale-getirmek-deneyimlerim-ve-kurdugum-sistem](https://alibugatekin.com/tr/blogs/yaz-l-m-sureclerini-agent-larla-yar-otonom-hale-getirmek-deneyimlerim-ve-kurdugum-sistem)

## CERTIFICATES

Docker from Scratch (Udemy) · Redis with Node.js (Udemy) · React from Scratch to Advanced (BilGen Yazılım Akademisi)

## ADDITIONAL INFORMATION

I follow the AI / agent ecosystem from the perspective of an architect and developer rather than merely a user. Autonomous multi-agent architectures, A2A, tool integration over MCP and intent-driven AI E2E testing are the main axes of my focus. I share this transition — in which code has become cheap in software and value has shifted to the idea, the product understanding and the engineering decisions — with teams and students, both as a developer and as a speaker.