Furkan Erdem

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Experience

Software Developer Sep 2024 – 2026
Jekirdek *Istanbul*

OD+

- Led a 5-person team building an HR organizational development platform in Next.js and Spring Boot, now managing 8,000+ departments and 20,000+ employees at one of Türkiye's largest telecoms.
- Designed the data model and built the core backend and frontend components.
- Wrote the FRD and security documents, coordinated the SAP, security and ops integrations, and ran deployments on OpenShift.

apiRuler

- Built a self-hosted API gateway on Kong with Lua plugins, now proxying millions of SMS requests per month for a major Turkish airline.
- Designed and built the Next.js control panel from scratch.
- Fully automated the onboarding and deployment flow with coding agents.

Frontend Developer Mar 2023 – Jan 2024
Eğitim ve Gelecek A.Ş. *Remote*

- Built the frontend of a school management platform from scratch in TypeScript, Next.js and Redux, with GitHub Actions CI/CD on AWS Amplify against a Go microservices backend.

Software Developer Nov 2022 – Mar 2023
EB Group – DAS A.Ş. *Ankara*

- Moved over a million critical documents out of an enterprise object store for a large airspace management firm, and integrated a GDPR compliance tool with its archive management system.

Open Source

Servo Jan 2026 – present
Contributor

- Servo is an embeddable browser engine written in Rust. I contribute to its DOM implementation, mainly the Gamepad API: moved event polling onto its own thread and brought the gamepad objects and events in line with the specification.
- Replaced unsound typed-array accessors in the DOM bindings with safe variants.

Astro Jan 2024 – Feb 2024
Contributor

- Astro is a TypeScript web framework for content-heavy sites. Fixed bugs in i18n routing and the Node adapter, and improved the integration test setup.

Research

Researcher, Society 5.0: AI and Social Sciences grant Aug 2024 – Aug 2025
Ibn Haldun University *Remote*

- Awarded a 250,000 TRY research grant in a project competition. Built the first comprehensive dataset on Islamophobia and fine-tuned a large language model on it to support research in the area.

Education

Recurse Center Sep 2026 – present
Programming retreat *New York*

- Worked full-time on browser internals through Servo.

B.Sc. Computer Engineering, *Ahmet Yesevi University* 2022 – present

Skills

Languages: TypeScript, JavaScript, Rust, Java, Go, Lua, C
Web: Next.js, React, Node.js, Spring Boot, Kong, REST APIs, CSS
Infrastructure: Linux, Git, Docker, Kubernetes, OpenShift, ArgoCD, AWS, GitHub Actions
Spoken: Turkish (native), English, Arabic