



Emin Akkoç

Senior Full-Stack Engineer

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LOCATION

Ankara, Türkiye

WEB

eminakkoc.com

LINKEDIN

linkedin.com/in/emin-akkoc

GITHUB

github.com/Eminakkoc

EDUCATION

MSc, Software Engineering

Middle East Technical University (METU),
Ankara

2009–2011

BSc, Computer Engineering

Başkent University, Ankara

2004–2009

High school

TED Ankara College, Ankara

1992–2003

LANGUAGES

Turkish (native)

English (fluent)

INDUSTRIES

Banking · Airlines · SaaS · Enterprise
construction · Industrial manufacturing ·
Digital healthcare

PROFILE

Seventeen years building software end to end: the services underneath, the API between, and the interface on top. Currently full-stack in a German enterprise estate of 40+ backend services and 11 independently deployable frontends; before that six years of product engineering at Zeplin.io, technical lead on an airline's React and Redux rebuild, and Spring middleware behind four banks' mobile applications. I have architected two platforms from zero, data model and deployment topology included.

EXPERIENCE



Atölye15

ATOLYE15 Full Stack Software Engineer · Ankara

2025–PRESENT

Full-stack product engineering on a long-running enterprise platform for a German construction group, and an industrial monitoring platform architected and built from zero.

Heinrich Schmid · Baumappe: enterprise construction platform

40+ backend services · 11 independently deployable frontends · 45+ shared libraries

- Deliver features end to end across the microservice backend and the React microfrontends: document management, time tracking, overtime and financial-document handling.
- Integrated with SAP for financial and operational data exchange.
- Built offer management, obstruction tracking, risk assessments, construction notes and archiving.
- Work inside the shared internal library set so a single change propagates safely across all eleven frontends.

Kemisan · iKem: industrial monitoring platform, architected from zero

- Architected the whole system: data model, service boundaries, storage strategy and deployment topology.
- Wrote the Node.js agents deployed onto plant machinery, normalised the incoming telemetry, and stored the high-volume time series in TimescaleDB behind a Node.js API.
- Built the React frontends that surface unit and sensor state for plant operators, and ran the platform on Google Cloud Platform.

TypeScript · Node.js · GraphQL · React · Microservices · TimescaleDB · PostgreSQL · GCP · Docker



Zeplin.io

Software Engineer · Istanbul

2019–2025

Six years of product engineering on a mature design-handoff SaaS used daily by design and engineering teams, covering front-end product surface plus the content platform behind the marketing site.

- Shipped major product surface: notification centre, approvals, Figma styleguide import and sync, invitations, project multi-selection, comments and annotations.
- Delivered the application-wide migration to a new design system without pausing feature delivery.
- Ran the TypeScript migration of the entire codebase and built out the Jest test suite.
- Cut load and render cost through route-level lazy loading and Redux mapper / component render optimisation.
- Carried weekly production duty: release monitoring, Sentry triage and code review.
- Moved the company blog off Medium onto an in-house Gatsby and Sanity stack, owning the content model as well as the front end.

Preact · React · TypeScript · Redux · Flux · Jest · Sentry · Gatsby · Sanity · CircleCI

Emin Akkoç

Senior Full-Stack Engineer

TECHNICAL SKILLS

Languages

TypeScript · JavaScript · SQL · HTML · CSS
· Java (prior)

Frontend

React · Preact · Next.js · SolidJS · Gatsby ·
Three.js

State & realtime

Redux · Flux · React Query · SolidJS Store ·
Pusher

Styling

CSS Modules · Tailwind · Sass · Less

Backend

Node.js · Express · NestJS · GraphQL ·
REST · Spring (prior)

Data

PostgreSQL · TimescaleDB · SurrealDB ·
MySQL · Firebase · Hibernate (prior)

Architecture

Microservices · Microfrontends · API design
· Shared libraries · Monorepos · SAP
integration

Platform & delivery

Docker · Google Cloud Platform · CircleCI ·
Netlify · Sentry · Vite · Webpack · Git

Testing

Jest · Cypress · JUnit (prior)

Design & 3D

Figma · Blender · Aseprite · Inkscape · GIMP

CAREER AT A GLANCE

2025–now	Atölye15
2019–25	Zeplin.io
2014–19	Commencis
2012–14	Cybersoft
2009–11	Dataset

PUBLICATION

**Semanticook: A Web Application for
Nutrition Consultancy for Diabetics**
MTSR 2011

LANGUAGES

Turkish (native) · English (fluent)

EXPERIENCE, CONTINUED

Commencis

Commencis

Senior Software Engineer · Istanbul

2014–2019

Consultancy delivery for airlines and banks: large, regulated systems where I worked on the customer-facing applications and the middleware behind them alike.

Pegasus Airlines: technical lead on the web rebuild

- Owned architecture and technology selection for a new React and Redux single-page application.
- Produced estimates, reported delivery risk against sprint and release dates, and guided the junior engineers on the team.
- Built Cypress end-to-end suites and wired them into continuous integration.

Yapı Kredi Bankası: mobile banking middleware

- Backend developer on the Spring middleware between the bank's core services and the Android and iOS clients Commencis delivered.
- Designed and maintained the service contracts the mobile front-ends consumed, to the bank's security and audit requirements.

İş Bankası · TEB / CEPTETEB · Şekerbank: digital banking

- Built customer-facing banking features in AngularJS and the Spring middleware services supporting them, across three further institutions.
- Integrated with core banking and third-party systems inside a regulated environment.

Turkish Airlines: enterprise web

- Front-end component development and maintenance inside a flag carrier's web platform, alongside the client's own engineering teams.

React · Redux · AngularJS · Java · Spring · Cypress · JUnit · CI

Cybersoft

Cybersoft

Software Engineer · Istanbul

2012–2014

- R&D engineering for Şekerbank's technology provider: replaced a database-driven deduction-calculation process with a Drools rule-engine backend, and built the KnockoutJS and jQuery client that surfaced it.

Java · Drools · KnockoutJS · jQuery



Dataset

Junior Software Developer · Ankara

2009–2011

- Digital healthcare: remote-sensor monitoring of patient health data. Built the Java Swing interfaces and the Hibernate data-access layer over Oracle, so the first production role already spanned both ends.

Java · Swing · Hibernate · Oracle

PLATFORMS WORKED ON



Heinrich Schmid



TURKISH
AIRLINES



YapıKredi



TEB



Şekerbank

Emin Akkoç

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ONLINE

Portfolio

eminakkoc.com

Methodology

millwright-inspector.dev

Product

resipise.com

Code

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SELECTED PERSONAL PROJECTS

Millwright-Inspector

2026

A verification-gated methodology for engineer and AI-agent collaboration: agent output is gated behind human review at defined checkpoints, so the workflow rather than the model is the object of design.

Resipise

2023

A food curation product built end to end: product, frontend, backend and infrastructure. SolidJS and Node.js on Firebase and Google Cloud, with shopping lists that update live for everyone sharing them.

eminakkoc.com

2025

The personal site: a Next.js application on Netlify carrying the written work, with the original Three.js city kept inside it as a route through a multi-zone proxy. In the scene every route is a building you walk to, and every page behind it is still server rendered.

RECOMMENDATIONS

“One of the strongest developers I’ve had the opportunity to work with. He doesn’t simply develop what’s in front of him; he questions why it’s being built and shapes technical decisions around the broader business goals.”

Oğuz Güç · Founder, Atölye15

“Emin has a strong sense of ownership and takes the time to understand the technical details behind the problems he is solving, while also being an excellent communicator with both technical and non-technical stakeholders.”

Kürşat Duygulu · Software Development Team Leader, Zeplin.io

“Emin took on independent responsibility in a remarkably short space of time, and made a significant contribution to the technical restructuring of our document management and file storage systems.”

Robin Kroh · Senior Product Owner, Heinrich Schmid

“Emin brings a rare combination of engineering depth and product awareness. He doesn’t only think about whether something works, but whether it is maintainable and appropriate for the product.”

Mustafa Erşahin · VP of R&D, Commencis

“I worked with Emin on the Pegasus project and took over some of his code. It didn’t take long for me to develop the mindset that: if Emin wrote it, it must be right.”

Erman Tepe · Engineering Manager, Commencis

“Consistently brought clarity to ambiguous problems, with a deep understanding of user needs and an ability to translate that across technical and product teams.”

Yahya Bedirhan Pak · Founding Engineer, Polymet