

Ata Kuyumcu

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SUMMARY

Software Engineer with 7+ years of experience in full-stack roles, most recently 3+ years at Shell Recharge building serverless, event-driven systems. Took products from discovery to launch and served a quarter as interim Tech Lead. Currently focused on deepening system design skills with the goal of moving into a Solutions Architect role in the future.

EXPERIENCE

Software Engineer

Shell Recharge Solutions B.V.

Nov 2022 — Present
(Hybrid) Amsterdam, NL

Tech Stack: TypeScript, Node.js, React, AWS {CDK, Lambda, DynamoDB, API Gateway, Step Functions, SQS, EventBridge, CloudWatch}, Datadog, Playwright, Lokalise

- Collaborated on the architectural design and software development of the on-the-go EV charging service from discovery to launch, leading the Payment Processor Provider integration component.
- Acted as interim Tech Lead of the Payments team for a quarter, coordinating architectural decisions across the serverless stack and collaborating directly with stakeholders and solution architects on product requirements.
- Co-led a biweekly book club for the team, discussing key takeaways and how they relate to our work, covering the “Clean Code” and “Clean Architecture” books cover-to-cover.
- Collaborated with the QA team to build end-to-end test suites using Playwright, covering critical payment flows across the aforementioned EV charging project. In addition, built a mock OCPI server to simulate stateful scenarios to support internal product demos and test suites.

Contract Full-Stack Developer

Several start-ups

Jan 2022 — Sep 2022
(Remote) İzmir, TR

Tech Stack: TypeScript, JavaScript, Node.js, Express, React, PostgreSQL, Docker

- Delivered across multiple short-term contracts: built data collection and visualization pipelines for distributed solar panel sensor arrays, developed indoor mapping and navigation features for commercial applications, and contributed to white-label cryptocurrency exchange platforms.

Full-Stack Developer

Countly Ltd.

Jan 2019 — Dec 2021
(Remote) İzmir, TR

Tech Stack: JavaScript, C++, Node.js, Express.js, Vue.js, MongoDB, Docker

- Implemented multi-factor authentication for the Countly analytics platform and integrated its Crash Analytics feature suite with Jira. Later took ownership of the Crash Analytics feature suite, migrating its frontend to Vue.js as well as leading support meetings for the feature.
- Maintained the open-source C++ SDK used to integrate Countly into native mobile, IoT and desktop applications.

Full-Stack Developer

Özgür Yazılım A.Ş.

Mar 2018 — Aug 2018

(Hybrid) İstanbul, TR

Tech Stack: Ruby on Rails, PostgreSQL, Docker, Lokalise

- Was offered employment after 3 months of internship which was part of my curriculum.
- Within a team of three, refactored a large Ruby on Rails project to be ready for localization 1 month ahead of schedule, enabling the client to fulfill their expansion plans on time.

PROJECTS

dailyprog.club (beta.dailyprog.club)

2026 — Present

Tech Stack: TypeScript, Next.js, React, Node.js, PostgreSQL, Docker, isolated-vm, LangChain

- A daily coding challenge website at the pre-launch stage, self-hosted with a hardened, sandboxed code-execution path (isolated-vm) for running untrusted user submissions as well as WASM runtimes for running supported languages on the browser. The platform is designed to be extensible and supports multiple programming languages, with a focus on security and performance.
- Built an LLM-driven puzzle-generation pipeline: retrieval over a curated problem corpus (RAG), prompt-engineered authoring of original puzzles with reference and known-wrong solutions, and automated verification of every candidate through the production sandbox before publishing.

EDUCATION

İzmir University of Economics

2014 — 2019

Bachelor's Degree in Computer Engineering

İzmir, TR

- Worked as a Lab Assistant on the Introduction to Programming classes for other engineering departments on the personal offer of our Department Head, Cem Evrendilek.

EXTRACURRICULAR ACTIVITIES

Capture the Flag Competitions

Feb 2018 — Mar 2020

- Joined YubitSec after competing in YubitSec CTF hosted at Yaşar University.
- Won 1st place in Code of Duty 2018 organized by the IEEE Student Branch at İzmir Institute of Technology.
- Won 3rd place in STM CTF 2018 Online Qualifiers hosted by STM Defense Technologies, which qualified us to compete in the on-site competition at Ankara.

SKILLS AND INTERESTS

- **Languages:** English (Fluent), Turkish (Native), Dutch (Beginner, in training)
- **Programming Languages:** TypeScript, JavaScript, Ruby, Python, Rust, C/C++
- **Frameworks and Tools:** Node.js, Express, React, Vue.js, MongoDB, PostgreSQL, Docker, AWS {CDK, Lambda, DynamoDB, API Gateway, Step Functions, SQS, EventBridge, CloudWatch}
- **Technical Concepts:** Event-Driven Systems, Serverless Computing, Test Automation, Retrieval-Augmented Generation (RAG), Prompt Engineering, Agentic Tool Use
- **Hobbies:** Self-Hosting, Game Development, Electronics