

Çağdaş Salur

Team Lead • Distributed Systems • Java / Go / Rust

📍 Istanbul, Türkiye | ✉ cagdassalur@gmail.com | ☎ 0507 826 31 69 | 🌐 linkedin.com/in/cagdassalur
📄 github.com/zcag

Summary

Engineering team lead with 10+ years in distributed systems, backend, and full-stack delivery. Currently leading an 8-person Java team at NGSS building carrier-grade network infrastructure — a GraphQL gateway over multi-vendor hardware, lawful intercept at ISP scale, and streaming data pipelines processing 3M+ events/sec. Builds obsessively in open source — Go tools, Rust crates, MCP servers — and is currently deep into personal AI infrastructure: multi-agent orchestration, autonomous agent runtimes, and context engineering on the Claude API.

Experience

Team Lead, NGSS – Istanbul, Türkiye Feb 2025 – present

- Led an 8-person Java engineering team across 3 concurrent product streams — architecture decisions, delivery, sprint planning, code review, and production ops. 1 year 4 months
- Designed and shipped Compass — a unified GraphQL gateway consolidating 20+ vendor systems (Ericsson, Nokia, Huawei, ZTE, Ciena) over SOAP, REST, SSH, and NETCONF.
- Owned the UDN/IPDR platform for Vodafone TR — lawful intercept and IP Detail Records capture and retention for ~40M subscribers, sustaining 3M+ events/sec.
- Led ARGE-funded R&D into Layer-7 protocol detection: HTTP/2, QUIC, TLS fingerprinting, encrypted traffic classification, zero-copy multi-threaded pipeline.
- Authored a 10-agent AI integration architecture for NGSS engineering systems — defined agent boundaries, escalation/fallback paths, and a phased rollout roadmap (code review, incident response, onboarding, project intelligence).

Full-Stack Developer, EAgronom – Estonia July 2021 – Feb 2025

- Built carbon MRV (Measurement, Reporting, Verification) tooling for a Verra VCS-registered carbon credit program — soil sampling data pipelines, carbon sequestration calculations, compliance reporting workflows. 3 years 8 months
- Shipped farmer-facing carbon credit workflows — from regenerative agriculture practice tracking through credit issuance and monetization.
- Developed full-stack across field mapping UI, task and inventory management, and mobile features with offline support; product served 3,000+ farmers across 14 countries and 1.7M+ hectares (Ruby on Rails + React).

Team Lead, Birkle IT – Munich, Germany Jan 2020 – July 2021

- Led the engineering team maintaining Allianz auto insurance portals for Germany's major automotive groups (Volkswagen, BMW, Mercedes-Benz, Opel) — dealer-facing systems used across thousands of dealerships nationwide. 1 year 7 months
- Owned sprint planning, code reviews, release management, and delivery quality.

Full-Stack Developer, Birkle IT – Tallinn, Estonia July 2019 – Jan 2020

- Main developer on modernizing and maintaining Allianz auto insurance portals for Volkswagen, BMW, Mercedes-Benz, and Opel dealer networks — systems used across thousands of dealerships in Germany. 7 months
- Full-stack delivery in Java + Angular across backend services and web UI; integrated dealer management systems and vehicle data APIs.

- Full-Stack Developer**, NGSS – Istanbul, Türkiye Apr 2017 – July 2019
2 years 4 months
- Implemented Java backend components and user-facing features for large-scale network infrastructure systems.
 - Lead developer on NGLogger — a carrier-grade EBM logging platform for Vodafone TR: real-time SGSN/GGSN signalling, modular ingestion → enrichment → multi-format output, event/KPI-driven actions (SMS, alarms, trouble tickets). 1.2M events/sec, 48.3K subscribers, 24/7.
 - Built the backend for Kredilink — a fintech consumer-loan platform with bank and shopping-platform integrations (Spring + Angular).

- Software Developer**, Freelance – Istanbul, Türkiye Feb 2014 – Nov 2016
2 years 10 months
- Delivered custom solutions end-to-end across very different domains — a Samsung Tizen IPTV app for a German provider, a Ruby on Rails mass-mailing platform (10K+ emails/day) for a modeling agency, and an iOS recipe app for a startup.
 - Deliberately took a new stack with each project — Swift, Ruby on Rails, C#, JavaScript/Tizen, .NET — to build breadth and expand my toolset.

Education

Doğuş University, BSc in Computer Engineering (English) 2013 – 2017

Istanbul University, in Ancient Greek Language and Literature 2011 – 2013

Projects

forge 2024 – present

- Autonomous AI project orchestrator — Go binary + Preact SPA. Manages AI agent roles (lead, coder, tester, researcher) per project with configurable autonomy levels, Telegram notifications, REST API and web UI. Self-hosted.

mira 2024 – present

- Self-hosted page renderer for LLM agents — agents POST structured content and get back shareable URLs. Core output surface for all personal AI workflows. Live at mira.cagdas.io.

atlas 2025 – present

- Multi-agent AI system for engineering teams — ingests code, docs, and Jira across projects, builds a provenance-tracked knowledge graph, and exposes it via a chat interface. LLM agents for code quality, PR review, incident response, and onboarding. Structural extraction + query-time LLM synthesis. Two prototype approaches completed; 10-agent architecture in active development.

topokit 2024 – present

- Network topology visualization tool, live at topokit.io. Go + Astro.

pal 2024 – 2024

- Fast, extensible command palette for Linux — apps, windows, audio, clipboard. Rust. Published on crates.io.

dek 2024 – 2024

- Declarative environment setup and scripted workflows from TOML. Rust. Published on crates.io.

readdown 2024 – present

- HTML to clean Markdown for LLM workflows. Ecosystem of 6 tools: CLI, MCP server (npm), browser extension, embeddable widget, bookmarklet.

Skills

Languages: Java, Go, Rust, Python, Ruby on Rails, TypeScript

Streaming / Data: Apache Kafka, Apache Flink

Infra: Kubernetes, Ansible, Docker, Linux

Protocols: GraphQL, NETCONF, SOAP, REST

AI / LLM: Multi-agent orchestration, MCP server development, context engineering (Claude API)

Languages

English: Reading/Writing: Advanced • Speaking: Upper-Intermediate