Çağdaş Salur

Senior Software Engineer • Distributed Systems • Go / Rust / Ruby

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Summary

Senior engineer with 10+ years in distributed systems, backend, and full-stack delivery, including three years leading engineering teams. Currently a senior software engineer at SerpApi, working on the APIs that scrape search engines and return structured results at scale (Ruby on Rails, MongoDB, remote and async). Previously led an 8-person Java team at NGSS, owning hiring, performance, and team growth while 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

Senior Software Engineer, SerpApi – Istanbul, Türkiye (Remote) — Aug 2026 – present, 2 months

- Fullstack engineering on SerpApi's core platform: the APIs that scrape search engines and return structured results at scale. Ruby on Rails, MongoDB, Sidekiq.

Team Lead, NGSS – Istanbul, Türkiye — Feb 2025 – Aug 2026, 1 year 7 months

- Led an 8-person Java engineering team across 3 concurrent product streams. Owned the full management loop: hiring and interviewing, regular 1:1s and performance reviews across multiple cycles, individual growth plans, compensation input, and managing underperformance directly (from improvement plans through to exits).
- Grew and structured the team into focused squads; owned delivery, sprint planning, code review, and 24/7 production ops, and mentored engineers, including running engineering lessons across the company.
- Designed 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, 3 years 8 months

- 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.
- 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, 1 year 7 months

- 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.
- Managed the team day to day: hiring input, 1:1s, sprint planning, code reviews, release management, and delivery quality.

Full-Stack Developer, Birkle IT – Tallinn, Estonia — July 2019 – Jan 2020 (7 months)

- 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.
- 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 — 2026 – 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.

tela — 2025 – present

- Open-source AI-native docs and knowledge platform (Go + TypeScript): a full document editor with LLM/RAG semantic search, an MCP server for agent access (published as tela-mcp on npm), and AI slide/deck generation with generative images. Live at telawiki.com.

mira — 2025 – 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 — 2026 – 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 — 2025 – 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 2025 – present

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

Skills

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

Streaming / Data: Apache Kafka, Apache Flink, MongoDB, PostgreSQL

Infra: Kubernetes, Ansible, Docker, Linux

Protocols: GraphQL, NETCONF, SOAP, REST

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

Languages

English: Full professional proficiency