Cem Akan

Backend Software Engineer · Go · C#/.NET · Microservices · Kubernetes

Tainan, Taiwan (open to relocation and remote) **cemmakan@gmail.com** cemos.site github.com/CemAkan linkedin.com/in/cemakan

PROFILE

Backend engineer trained in Adana and Budapest, now in Tainan. Both of my past employers, Hepsiburada and Birtakım, asked me to stay. At Hepsiburada I was trusted with mid and senior-level backend work as an intern, and at Birtakım I was a core member of a two-person backend team that owned everything. I also founded and led a developer community that grew to 500+ members. My thesis is Pastaay, an open-source Go fault-injection engine that allocates nothing while idle. Looking for a backend role in Taiwan, Asia, the Middle East or remote.

SKILLS

- Languages: Go (Golang), C#, JavaScript/Node.js, SQL
- Backend: ASP.NET Core, REST APIs, gRPC, microservices, message queues, API documentation, OCPP
- Data: PostgreSQL, SQL Server, MongoDB, Redis, RabbitMQ, Kafka
- Infrastructure: Docker, Kubernetes and Operators, CI/CD, GitHub Actions, Prometheus, Grafana, OpenTelemetry
- Quality: xUnit, Moq, integration testing, Go benchmarks, code review, Agile/Scrum

EXPERIENCE

Hepsiburada
Jul 2025 – Aug 2025

Back-End Engineering Intern

- Asked to stay on full time after the internship; chose to complete my Erasmus year instead.
- Trusted with mid and senior-level backend work and included in senior engineers' technical meetings, as an intern.
- Built a document-renewal system for the legal team, which had no way to replace published files. One upload updates the file on all 3 CDN servers behind a permanent link, so the new version shows up everywhere on the site.
- Wrote search APIs and fast search algorithms for the parent company, Kaspi.kz, over customer calls stored on FTP servers.
- Set up project keys, API documentation and onboarding material for hundreds of internal projects that had none.
- Migrated RabbitMQ clusters across 3 environments (dev, test, production), wrote xUnit tests and did code reviews.

Birtakım Software
Dec 2022 – Jun 2023

Junior Back-End Developer

- Received an offer to stay; left after the February 2023 earthquake in Hatay, my home province.
- Core member of a two-person backend team that owned the whole backend: APIs, databases, servers and admin panels.
- Optimized back-end code and database queries.

PROJECTS

Pastaay — fault-injection engine in Go (graduation thesis)

- Sidecar-based chaos tools add latency to the system they test. Pastaay works inside the app at the driver level for SQL, Redis, MongoDB, Kafka, gRPC and RabbitMQ, and measured 0 B/op and 0 allocs/op with policies loaded but idle, under 5,000 concurrent Kafka consumers.
- Includes a Kubernetes operator, a CLI that rolls back automatically, a web console, and an assistant that reads Prometheus metrics to suggest failure scenarios.

Repo: https://github.com/CemAkan/pastaay

VoltGo — EV charging platform

- Shared ownership of the backend: OCPP infrastructure for charging stations across Turkey, plus a driver mobile app and a company web panel.

Website: https://voltgo.com.tr/

URL Shortener API (Go)

- JWT auth, PostgreSQL, Redis caching, rate limiting, Prometheus and Grafana alerts, Docker, CI/CD.

Repo: https://github.com/CemAkan/url-shortener

EDUCATION

Mandarin Chinese Language Program
National Cheng Kung University (NCKU), Tainan, Taiwan
2026 – Present

B.Sc. Computer Engineering, Erasmus+ exchange
Budapest University of Technology and Economics (BME), Hungary
GPA: 4.33/5.00
2025 – 2026

B.Sc. Computer Engineering
Çukurova University, Adana, Turkey
GPA: 3.33/4.00
2021 – 2026

LEADERSHIP

Yazılım Çukurova
500+ members

Founder and Leader

- Founded the community because the Çukurova region had almost no software scene, and led large volunteer teams.
- Grew it from local meetups to events in other provinces and into Central Anatolia, reaching hundreds of people.
- Ran live YouTube broadcasts, large in-person events and workshop series, with experts and leading software engineers as speakers.
- Partnered with a wide range of tech communities, including Google developer communities and many local and regional groups in other provinces, as well as Seyhan Municipality.

LANGUAGES

Arabic (native) · Turkish (native) · English (C1) · Mandarin Chinese (A2)