

Furkan Çoban

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Professional Experience

Shepard AI

2025 – Present

Founder & Software Engineer – Independent Product

shepardai.pro

- Built a cryptocurrency analysis platform with Next.js, TypeScript, Python and Supabase/PostgreSQL.
- Automated market-data collection and processing every 15 minutes for dashboard queries.
- Integrated Gemini API sentiment classification with RSI and moving-average indicators.

Cybersecurity Office

Zonguldak, Turkey

Awareness Support – İŞKUR Youth Program

Mar. 2025 – Jun. 2025

- Managed security-awareness materials and supported technical workshops and internal communications.

Open Source & Security Contributions

- **Adyen Node.js SDK** (#1796, merged): Added missing-endpoint validation for the Terminal Cloud API and regression tests.
- **Adyen .NET / Python SDKs** (under review): Added required Boolean/UUID null validation (#1885) and service URL version fixes (#511).
- **iyzico Python SDK** (#108, under review): Proposed timing attack protection with `hmac.compare_digest` and per-request headers for thread-safety.
- **Craftgate Python SDK** (#49, under review): Fixed webhook verification for Python 3.11 runtime compatibility; added regression tests.
- **GoodData Python SDK** (#1865, under review): Corrected agent skill evaluation to use tool results rather than requested arguments; added tests.

Projects

GuruGuard – Browser Extension & Web App

2026

TypeScript, Next.js, Chrome Extension

Live Product

- Built an Instagram profile-review extension with community reports, personal content filtering and a moderation queue.

TrendCatcher – Trend Research Platform

2026

Next.js, React, TypeScript, Tailwind CSS

Live Demo

- Built a research dashboard for the Turkish market with aggregated trend signals, filtering and localization.

Technical Skills

Languages: Python, TypeScript, JavaScript, SQL, Java, C/C++, R

Web: React, Next.js, Node.js, Flask, HTML/CSS, Tailwind CSS

Data & Backend: PostgreSQL, Supabase, Pandas

Tools & APIs: Git, Docker, Vercel, Gemini API

Education

Bulent Ecevit University

Zonguldak, Turkey

B.Sc. in Computer Engineering

Sep. 2024 – Present

Schmalkalden University of Applied Sciences

Germany

Computer Science, Exchange Student

Oct. 2025 – Mar. 2026

Istanbul Arel University

Istanbul, Turkey

Undergraduate coursework in Computer Engineering

Sep. 2023 – Jun. 2024

Languages & Awards

English: University English examination, 84/100 (2025), Bulent Ecevit University.

Erasmus+: EU Mobility Grant recipient, Hochschule Schmalkalden, Germany.