Efe Kocagoz (Efe Kodzhagioz)

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PROFESSIONAL PROFILE

Information Technology student at Inholland University of Applied Sciences with over two years of hands-on coding experience building full-stack and backend applications across Java Spring Boot, C# ASP.NET Core, PHP, Vue.js, TypeScript and Python. Experienced in designing RESTful APIs, relational and NoSQL database architectures, and containerized deployments within Agile/Scrum teams. Seeking an entry-level role or internship in software development, backend engineering, application support, or IT operations.

TECHNICAL SKILLS

Category	Technologies & Competencies
Languages	Java (21), C#, PHP, TypeScript, Python, SQL, JavaScript, HTML5, CSS3
Frameworks & Libraries	Spring Boot, Spring Security, Spring Data JPA, Hibernate, ASP.NET Core MVC, Razor Views, Vue.js 3, Pinia, Vue Router, Tailwind CSS, Bootstrap, Node.js, Next.js, Vendure (NestJS, GraphQL), Solana web3.js
Databases	SQL Server, Azure SQL, PostgreSQL, MongoDB (Atlas), SQLite, H2
DevOps, Testing & Tools	Docker, Git, GitHub Actions (CI/CD), Linux, Railway, Maven, Vite, OpenAPI (Swagger UI), JUnit, Mockito, AssertJ, Bucket4j, Storybook, Playwright, pytest, Caddy
Architecture & Methodologies	RESTful API Design, Object-Oriented Programming (OOP), MVC Pattern, Repository & Service Layer Patterns, JWT & Cookie Authentication, Agile/Scrum

SOFTWARE DEVELOPMENT PROJECTS

Laptopic — Dutch Webshop with in3

TypeScript, Vendure, Next.js, PostgreSQL, Python

- Built a Dutch webshop (Vendure/GraphQL backend, Next.js storefront) with Mollie iDEAL and in3; installment rules are enforced server-side and webhooks verified by re-fetching the payment.
- Automated operations with a nightly supplier sync and a Python CLI that cleans supplier exports and reports daily revenue, unsettled payments and low stock.

Solana Flash-Loan Arbitrage Bot

TypeScript, Node.js, Solana, Jupiter, MarginFi

- Built an atomic, capital-free arbitrage bot that quotes SOL → token → SOL round trips via the Jupiter aggregator and executes them inside one MarginFi flash-loan transaction.
- Designed a trade-size optimizer (log grid + golden-section search) that finds the most profitable size in about nine quotes, with a worst-case profit guard.
- Fit two swaps and a flash loan within Solana's 1232-byte transaction limit; added a shared rate limiter with exponential backoff, unit tests and GitHub Actions CI, running in simulation-only mode by default.

Full-Stack Banking Application

Java 21, Spring Boot, Vue.js 3, H2, Docker, Railway

- Collaborated in a four-person Agile team to architect and deliver a full-stack banking system with a Spring Boot backend and Vue.js 3 frontend.
- Designed and implemented RESTful APIs for the administrative management panel, documenting and testing endpoints with OpenAPI (Swagger UI) and rate-limiting with Bucket4j.
- Engineered stateless authentication and role-based access control (RBAC) with Spring Security and JWT, and wrote unit and functional tests with JUnit, Mockito and AssertJ.

SportsMeet — City Sports Event Platform

PHP, Vue 3, Tailwind CSS, SQLite, Docker

- Designed and developed a full-stack web application for organizing and joining community sports events, with a custom PHP REST API using JWT authentication on SQLite.
- Created a responsive frontend using Vue 3, Vite, Pinia state management, Vue Router, Axios, and Storybook, containerizing both frontend and backend services with Docker.

Incident Management System

C#, ASP.NET Core MVC, MongoDB Atlas, BCrypt

- Developed a support ticket and incident resolution platform in a project team using ASP.NET Core MVC, with cloud-hosted persistence on MongoDB Atlas via the official .NET driver.
- Built ticket workflows with CRUD, priorities, search filtering, cookie authentication with BCrypt hashing, and dashboard analytics.

Restaurant Ordering & Management System

C#, ASP.NET Core MVC, SQL Server, Azure SQL

- Collaborated in an Agile team to build an end-to-end restaurant operations platform handling table orders, menus, staff scheduling, and payment processing.
- Structured the backend using a clean, multi-layered architecture (MVC, Repository Pattern, and Service Layer) to decouple business logic from data access across SQL Server and Azure SQL.

EDUCATION

BSc in Information Technology

2024 – Present

Inholland University of Applied Sciences — Haarlem, Netherlands

- **Core Focus:** Software Engineering, Backend Development, Relational & NoSQL Data Management, System Design, Networking, and Agile Project Collaboration.
- **Key Coursework Deliverables:** Built full-stack applications in Java and C#, designed hybrid database architectures combining SQL and MongoDB, and developed a summer camp management platform.

ADDITIONAL EXPERIENCE

Hospitality & Bar Operations / Event DJ

- Managed daily bar operations in high-volume hospitality venues, keeping service smooth and team communication clear under pressure in fast-paced, client-facing environments.