

Uğur Dindar *Software Engineer*

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Profile

I am a software engineer focused on building reliable, scalable, and secure backend systems. I enjoy solving complex problems, improving system architecture, and ensuring applications behave consistently under real-world load and concurrency. I value ownership, clear communication, and working closely with teams to deliver features end-to-end. Always learning, always improving, and continuously curious about better ways to design and build systems.


Professional Experience

Software Engineer, Garanti BBVA Technology  06/2023 | Remote, Turkey

Working in a team responsible for developing and maintaining E-Commerce Payment Gateway Solutions and 3D Secure ACS Systems of Garanti BBVA.

- Hands-on experience with E-Commerce payment flows, 3D Secure ACS, merchant onboarding, bank integrations, and secure transaction lifecycles.
- Developed, optimized, and maintained high-traffic distributed applications, ensuring reliability, performance, and fault tolerance.
- Re-engineered a critical concurrency handling mechanism to eliminate a rare multithread race condition causing request loss when two requests were processed within <2 ms.
- Developed and maintained RESTful APIs acting as a payment gateway between merchants and VPOS (Virtual POS) in marketplace environments.
- Contributed to a large-scale encryption migration for millions of records by designing an adapter to support both legacy and new cryptographic algorithms, and by participating in the batch processing flow responsible for secure data re-encryption.
- Designed and implemented a shared production token lifecycle mechanism used across multiple systems: retryable refresh on unauthorized responses, cache with expiry control, thread-safe design using double-checked locking and AtomicReference, with AOP-driven automatic token renewal and concurrency buffering to prevent redundant token fetching.
- Implemented WebOTP / SMS AutoFill support in the ACS flow by leveraging Autofill, WebOTP API, and user-agent device detection, enabling seamless one-tap authentication on both iOS and Android, improving user completion and authentication success rates.
- Integrated Apache Kafka producer pipelines into GPay 2.0 transaction processing to enable event-driven architecture and improve scalability, decoupling, and reliability of payment flows.
- Participated in yearly PCI-DSS compliance processes and applied secure coding, key management, data handling, and OWASP-aligned security practices across services.

Software Developer, Ford Otosan  10/2021 – 06/2023 | Eskişehir, Turkey

- Took part in developing new systems and maintaining existing systems for multiple Ford Otosan plants, with a primary focus on the Eskişehir production facility.
- Contributed to several projects improving manufacturing and CoP (Conformity of Production) processes from early workflow analysis through deployment.
- Migrated a widely used internal application from ASP.NET  WebForms (.NET 3.5) to .NET Framework 4.8, extending maintainability and lifespan of the system.
- Contributed to internal .NET Core framework development efforts used across Ford Otosan application teams.
- Developed Quality Pool, a platform for managing, classifying, and suggesting solutions to Warranty & Quality issues in automotive production (also served as a graduation project done in collaboration with Ford Otosan). Designed and integrated a Flask-based API utilizing a Random Forest Classifier model with tuning to provide automated recommendation support.

Software Engineering Intern, Baykar Technology [↗](#)

08/2021 – 09/2021 | İstanbul, Turkey

- Worked on improving and automating operational workflows related to Ground Control Units (GCU) used in UCAV (Unmanned Combat Aerial Vehicle) systems.
- Developed a .NET Framework desktop application to automate the initial setup and configuration process of GCUs.
- Automated system-level adjustments and ensured installation and verification of required software, runtimes, dependencies, and configuration profiles, reducing manual workload and minimizing human error in deployment procedures.

Education

Bachelor's Degree, Eskişehir Technical University [↗](#)

09/2019 – 06/2023 | Eskişehir, Turkey

Computer Engineering, GPA: 3.70 - Graduated as 1st in the Computer Engineering Department

Activities and societies: Technical Lead and one of the founders of Eskişehir Technical University Software Community. (estuyazilim.com - github.com/ESTUYazilim)

Languages

English

Bilingual proficiency

Turkish

Native proficiency

German

Elementary proficiency

Skills

Front-end

HTML, CSS, Javascript, Typescript, React, Angular, Next, Bootstrap, JQuery

Tools

Git, Azure DevOps, Toad, Bitbucket, Jenkins, JFrog, SonarQube, AttackFlow, Fortify, Dynatrace

Other

Competitive Programming

Back-end

Spring, Spring Boot, .NET, .NET Core, PL/SQL, MySQL, MongoDB, Aspect Oriented Programming, RESTful and gRPC APIs, Microservices, Unit Testing, Elastic Stack, Apache Kafka

Interpersonal

Communication, Teamwork, Organization, Critical Thinking, Always Punctual, Problem Solving

Certificates

- | | | | |
|--|--|---|--|
| - ScrumInc Scrum Team Member ↗ | - AWS Fundamentals: Building Serverless Applications ↗ | - Google Cloud Building Scalable Java Microservices with Spring Boot and Spring Cloud ↗ | - DeepLearning.AI AI For Everyone ↗ |
| - IBM Full Stack Software Developer Assessment ↗ | - IBM Introduction to Containers w/ Docker, Kubernetes & OpenShift ↗ | - AWS S3 Basics ↗ | - Google Foundations of Project Management ↗ |
| - Google Project Initiation: Starting a Successful Project ↗ | - Google Project Planning: Putting It All Together ↗ | - Google Capstone: Applying Project Management in the Real World ↗ | - Google Agile Project Management ↗ |

Awards

OBSS Code Master 2021 2nd in the first stage, OBSS

Projects

Virtual Patient, A mobile application developed in collaboration with the faculty members of the Nursing Department at Eskişehir Osmangazi University to provide nursing students with practical experience in patient care aspects. [↗](#)

VPatient Mobile Application [↗](#)

VPatient API [↗](#)

VPatient Demonstration [↗](#)

Quality Pool, Graduation project (Tübitak 2209-B)

Management, Classification and Solution Recommender Platform for Warranty and Quality Processes in Automotive Industry. Tübitak 2209-B Project with cooperation Ford Otosan.