

Melikşah SELVİ

+90 536 600 2340 | melikshselvi.engineer@gmail.com | Sancaktepe/İSTANBUL

Software Development Engineer

I am a **Computer Engineer** with a bachelor's degree from **Sakarya University**, passionate about building efficient and optimized software. I focus on designing systems and writing code that **minimizes resource usage** while delivering high-quality solutions.

PROFESSIONAL EXPERIENCES

Etiya Bilgi Teknolojileri A.Ş, Teknokent, İstanbul
Senior Specialist, Software Development

May 2025 – Present

- Working on **Akbank Open Banking Project** via Etiya, enabling customers to view and manage their accounts and cards from other banks within Akbank's mobile and web applications, both for individual and corporate users. Implemented functionalities allowing customers to initiate **instant money transfers**, make **instant payments**, schedule **future-dated payments** and set up **repeated payment orders**. Our team follows the **Agile methodology** to develop and deliver the project.
- Responsible for developing services that connect **TPPs (Third Party Providers)**, **ASPSPs (Account Servicing Payment Service Providers)**, and customers within the project. Additionally, design and deliver services for other Akbank teams, exposed via **REST, gRPC, and SOAP** interfaces. Trigger and publish confirmations using **Apache Kafka**, monitor logs and debug errors with **Elasticsearch**, track service performance using **Grafana**, manage CI/CD pipelines to upgrade environments (**UAT, PREP, PROD**), and deploy applications to production using **OpenShift**.

Technologies used: Java 17, Spring Boot 2.7, Oracle, Kafka, Elasticsearch, OpenShift, Grafana

Amadeus A.Ş, Mecidiyeköy, İstanbul
Software Development Engineer

August 2024 – May 2025

- Worked on the seamless migration of **Amadeus customer data** to the **Amadeus Loyalty Community (LCP)** using a custom-developed **Migration Suite**. This Java-based application, together with a specialized database structure, efficiently maps customer data formats to the LCP schema. Collaborated with customers and internal R&D teams to implement specific data format requirements and continuously enhance the Migration Suite.
- Responsible for **data migration**, including exporting and importing data between customer schemas and our database, validating data integrity, and verifying relationships and business logic as required by customers.

Technologies used: Java 17, Spring Framework, JAX-RS, JBoss, Oracle, Maven, Jira, Bitbucket

Universal Yazılım A.Ş, Ataşehir, İstanbul
Junior Full stack Developer

June 2023 – July 2024

- Worked on modules including **Human Resources, Subscriber Tracking System, and Address Information System**. Developed **microservices-based backend** using **Java, Spring Boot, Hibernate**, and **micro-frontend-based frontend** using **Angular**.
- Created **JPA entities, services, and API endpoints**, handling database interactions through **JPA Queries, Hibernate Criteria, Native SQL, and SQL Functions**. Built front-end pages using **Angular components, modules, and directives**.
- Contributed to designing a **dynamic authentication and authorization system** with over 100 roles, implementing **Spring Security** where possible and extending it for fully dynamic, client-specific requirements.

Technologies used: Java 17, Hibernate, Spring Boot, Angular, Kafka, Redis, Oracle, Maven

Universal Yazılım A.Ş, Ataşehir, İstanbul
Junior Java Developer

September 2022 – June 2023

- Worked on the **IBB Darkos web application** project for the **Kayışdağı Hospice branch of IBB**. Collaborated with customers to gather requirements and translate them into functional backend and frontend screens, improving communication skills and understanding customer needs.
- Developed backend functionality using **Java** and **Spring Framework**, and frontend interfaces using **Vaadin Framework**. Enhanced knowledge of **OOP, SOLID principles, and design patterns**, and performed database development using **SQL, HQL, and HCQL**.

Technologies used: Java 8, Hibernate, Spring Framework, MVP, Oracle, Vaadin UI, Maven, GitLab

PERSONAL PROJECTS

Mindstep (iOS Application) — Published on App Store
Owner and developer

September 2025 – Present

- Developed and published a full-featured **iOS app** using **Swift, UIKit, MVVM, and Coordinator pattern**, with **CoreData, Combine, responsive UI, light/dark theme, and localization**. Integrated **Firestore backend** for live data, role tracking, storage, cloud functions, and dynamic configuration. Implemented **image upload, local caching, push notifications, device-unique single-user control**, and built an **Angular-based admin panel**. Added **in-app purchases and subscriptions via RevenueCat, ads with AdMob, and promotional popups** for user engagement. [App Store Link](#)

BOOTCAMPS

ICommunity

IOS Developer Training Bootcamp

March 2025 – June 2025

- Completed a **training bootcamp** to gain foundational skills in **iOS, macOS, watchOS, tvOS, and visionOS development**. Focused on **Swift, UIKit, architectural design patterns, unit testing, localization, version control, and project management**, while also improving **soft skills** for effective collaboration in development teams.

Technologies learned: Swift, UIKit, Architectural Designs, Unit Test, Localization, Soft Skills, Version Control Systems, Project Management

Patika Dev

Bootcamp Acceleration Program Student

June 2022 – September 2022

- Completed an **acceleration program** focused on **Java SE, data structures, and algorithms**. Improved coding skills through weekly **algorithm problem-solving** sessions and **code reviews**, gaining a solid foundation in programming fundamentals and version control systems.

Technologies learned: Java SE, Version Control Systems, Algorithms, Data Structures

EDUCATION

Sakarya University, Sakarya, Turkey

Computer Engineering

September 2015 – 2020

- Developed strong **problem-solving** and **analytical thinking skills** during my studies, while gaining foundational knowledge in **programming languages, frameworks, and software technologies**. Built a solid understanding of software development principles applicable to real-world engineering projects.

Technologies learned: C++, C#, Data Structures & Algorithms, Database Management Systems, HTML, CSS, JavaScript, Operating Systems, Cryptology