Melikşah SELVİ

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Software Development Engineer

I am a computer engineer who graduated from Sakarya University with a bachelor's degree. I am not a developer who writes code just because have to but an engineer who passionate about realizing my passion. My passion is using the least source of system as possible about design system or make development.

I have sufficient knowledge to develop professionally in Java, Spring Boot, Angular and TypeScript. I am interested in Kotlin and Jetpack Compose to make android development. I have been developing an Android mobile application and Admin panel for a customer for a while. I aim to publish this application on the App Store through Swift and Swift UI based on it's outputs and successful results.

PROFESSIONAL EXPERIENCES

Amadeus A.Ş, Mecidiyeköy, İstanbul   **August 2024 – Present**
Software Development Engineer

- Our team handles the seamless migration of Amadeus customer's data to the Amadeus Loyalty Community (LCP) using our custom-developed Migration Suite. This robust Java application and specialized database structure efficiently map customer data formats to the LCP schema. We work closely with customers and internal R&D teams to implement specific data format requirements and continuously enhance the Migration Suite. In the basically, my responsibility is data migration.

- Exporting and importing data to our database schema from customer database schema through data format that created for customer. Then, checking data integrity and validation. Mostly, we check data relationships and some business logic that customers demand to apply. Then, we create database views which is the last version of our data. Finally, we use our Java Application to execute data to production environment through these views. After the execution steps, there are issues and customer requests might occur. We address these matters.

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

Universal Yazılım A.Ş, Ataşehir, İstanbul   **June 2023 – July 2024**
Junior Fullstack Developer

- I have found a work chance on modules such as Human Resources, Subscriber Tracking System, Address Information System. This project is built with the using current technologies at backend side on microservices structure and at frontend side on micro-frontend structure.

- To create JPA Entities, services and API endpoints using Java on backend side by result of coming analyzes. Creating database interactions between database and backend side such as JPA Query, Hibernate Criteria, Native SQL Query and SQL Functions. To make pages on frontend side using Angular Components, Modules, Directive etc.

- Taking part in the creating Authentication and Authorization system that includes over 100 roles through Spring Security. These roles can be created completely as dynamic by user needs. We didn't use Spring Security thoroughly to create an authorization system. The authorization system that our clients expected from us must have been completely dynamic. Spring Security couldn't have provided it to us.

- Implementing design patterns such as Strategy. We wanted to perform caching for actions such as JwtToken, Authorization credentials. We have created a system that can provide us with changing to way of caching dynamically on runtime. Our system should have decided to work through Redis or Hazelcast on runtime.

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

Universal Yazılım A.Ş, Ataşehir, İstanbul   **September 2022 – June 2023**
Junior Java Developer

- I have worked on IBB Darkos named web application project when I came first this company until June 2023. This project created for use The Kayışdağı Hospice branch of IBB.

- To receive analysis of this project in place with customer. So, I have increased my customer communication skills. I have made progress understanding the customers exact needs.

- As a result of the analysis, development the desired customer screens with Java on backend side, Vaadin Framework on frontend side.

- I have boosted myself also on matters such as OOP, SOLID, Design Patterns through Vaadin the language-based Java. I made progress on database through writing table queries with SQL, HQL, HCQL.

Technologies used: Java 8, Hibernate, Spring Framework, MVP, Oracle, Tomcat WebServer, Vaadin UI, Maven, GitLab, Jenkins.

BOOTCAMPS

ICommunity   **March 2025 – Present**
IOS Developer Training Bootcamp

- I have started this program in order to enter IOS development community. I aim to learn technical informations that to be provide me to make development on IOS, macOS, watchOs, tvOs, visionOs etc.

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

Patika Dev   **June 2022 – September 2022**
Bootcamp Acceleration Program Student

- I have started this program to participate in bootcamps. This program included learning Java and understanding fundamentals of data structures. We improved my coding skills and solved algorithm problems. We made code reviews to discover new solutions for algorithm problems every week.

Technologies learned: Java SE, Version Control System, Algorithm and Data Structures

EDUCATION

Sakarya University, Sakarya, Turkey   **September 2015 – 2020**
Computer Engineering

- During my student career, I have strengthened my problem solving and analytical thinking skills, which are the basic skills that an engineer needs in his working life. At the same time, I have learned important information about many languages and frameworks that will allow me to transfer my passion for software technologies.

Technologies learned: C++, C#, Data Structures and Algorithms, Database Management Systems, HTML, CSS, Javascript, Operation Systems, Cryptology