Mehmet Karadana - Software Engineer

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Summary

Software Engineer with 1 year of commercial experience in developing scalable and maintainable mobile and backend applications. Specialized in Kotlin (Jetpack Compose), Java, and backend technologies including Kotlin, Java, and .NET.

Strong focus on clean architecture, reusable code, and building practical solutions to real-world problems. Comfortable taking ownership of the entire development process — from initial design to deployment.

Technical Skills

Languages: Kotlin, Java, JavaScript, Python, C#, Go
Frameworks & Libraries: Jetpack Compose, Android SDK Spring Boot, .NET
Architecture: MVVM, MVC, Micro Services
ORM: Entity Framework Core (EF Core)
Databases: MongoDB Atlas, SQLite, MSSql
Tools: Git, Docker, Firebase ,Supabase
Other: Prometheus, Graphana

Professional Experience

Orion Innovation Turkey, Istanbul - Junior Backend Developer - Jul 2024 - Dec 2024

- Designed a **multi-language microservice architecture** using **Java (Spring Boot + Virtual Threads)**, **Kotlin (Ktor + Coroutines)**, and **Go (Gin)** to handle concurrent data aggregation from distributed sources.
- Created realistic agency simulators with **Node.js/Express**, each configured with varying response delays based on simulated geographic distance.
- Focused on performance, concurrency, and modular service separation to ensure scalable and testable architecture.

Phi Software, Istanbul - Software Engineer Intern - Jul 2023 - Aug 2023

- Gained hands-on experience in Java backend development and algorithm design.
- Practiced problem solving, clean code principles, and contributed to internal tooling projects.

Key Projects

TSK PERTEM Mobile App

- A mobile application for Turkish Armed Forces personnel to access announcements, exam and assignment details
- Integrated with Firebase Realtime Database for real-time updates
- Currently in closed testing on Play Store due to content policy restrictions

  Source Code

Game of Secret – Truth or Dare Game

- A single-player mobile game developed with Kotlin and Jetpack Compose

- Presents random truth/dare questions to the user

- In Play Store closed testing; set to be publicly released

  [Source Code](#)

TÜBİTAK 2209-A Research Project

- *Project Title:* "Analyzing the Spread of Misinformation and Public Sentiment on Twitter"

- Utilized NLP and ML techniques to classify tweets and measure sentiment trends

- Officially funded and recognized by TÜBİTAK (The Scientific and Technological Research Council of Türkiye)

Education

Karadeniz Technical University — BSc in Software Engineering (2021 – 2025) GPA: 3.08

Languages

Turkish - Native
English - A2

Soft Skills

Detail-oriented, self-motivated, and adaptive to fast-paced environments. Quick learner with strong communication and problem-solving abilities.