

# Mehmet Akif Tütüncü

## Lead Software Engineer



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10+ years of professional experience in backend development with a specialization in JVM technologies such as Scala, Kotlin, and Java. Provided consulting services to global companies, emphasizing object-oriented and functional programming. Strong background in CI/CD, testing, databases, cloud infrastructure, microservices, and software architecture. Developed open-source tools for developers, gave voluntary lectures and presented at conferences and meetups. Interests include traveling, cooking, and rock/metal music.

## WORK EXPERIENCE

### Lead Software Engineer @ iO

[iodigital.com](https://iodigital.com) / Utrecht, Netherlands / 12-2022 to Now

- Consultant at Jumbo
  - Joined a team in store domain for integrating software of devices in Jumbo stores into a new backend layer
- Consultant at Rabobank
  - Led development in a team of 6 developers, building an internal functional documentation portal for Rabo Online Platform, supporting 69 web apps, 250 squads, over 1500 engineers, and 1200 applications
  - Migrated 4 backend services into a new architecture that allows for extending the functionality of the portal
  - Integrated with Azure AI services in 3 months to build a smart assistant capable of answering questions based on documentation on the portal
- Tech-Lead at iO
  - Presented at 3 conferences, made 3 public meetups and 2 internal workshops
  - Co-authored 1 article for the company blog
  - Conducted 15 recruitment interviews and review processes
  - Started 3 open-source projects and mentored team members

### Senior Software Engineer @ Scalac

[scalac.io](https://scalac.io) / Istanbul, Turkey / 11-2021 to 10-2022

- Consultant at Conductor
  - Migrated legacy Java APIs to a new Scala service, encompassing approximately 50 endpoints
  - Introduced an automated mechanism to verify correctness by comparing responses from both sets of endpoints
  - Developed an admin portal for the Conductor Platform, offering management capabilities for Kafka clusters with easy-to-use user interfaces

### Senior Software Engineer @ Numbrs

[numbrs.com](https://numbrs.com) / Istanbul, Turkey / 11-2020 to 10-2021

- Developed new features for the Numbrs application in Personal Finance Management Team
- Implemented backend services utilizing Go, Java, Scala, Kafka and Cassandra
- Created the "Insights" feature, delivering 7 unique, smart and actionable insights to users based on demographic information and bank transactions

## Senior Software Engineer @ sahibinden

[sahibinden.com](https://sahibinden.com) / Istanbul, Turkey / 08-2019 to 10-2020

- Focused on domains including search, promotions, and categories in Search Team
- Led a 6-month project to automate the updating of geo and location data
- Integrated with a third-party data provider and performed 4 data migrations in a production environment with no downtime, pioneering the use of Kotlin in a Java codebase for the project

## Software Engineer @ VNGRS

[vngrs.com](https://vngrs.com) / Istanbul, Turkey / 06-2017 to 09-2019

- Consultant at Socrata Team
  - Improved the Open Data Platform, containing about 20 backend projects
  - Created an activity log service for auditing all platform activities
- Consultant at Beam
  - Conducted a cloud migration from Sydney to Dubai
  - Stabilized and adapted the mobile payment system to work in Dubai
  - Implemented "Ticketless Parking", integrating car parking payments with Beam
- Consultant at MAF Properties Team
  - Joined the kick-off process for a rebranding of Ticketless Parking

## Software Engineer @ Linovi

Izmir, Turkey / 10-2013 to 10-2016

- Began part-time, gaining experience in web development, backend development, and Scala
- Transitioned to full-time in Shazam Team, working on the Self-Service Campaign Management Portal
- Started by writing tests, moved on to developing new features, fixing bugs, and maintaining CI/CD and build systems
- Achieved a significant impact by reducing build times by 50%

## SKILLS

### Programming

- Functional Programming, Go, Java, Kotlin, Object Oriented Programming, Reactive Programming, Scala, TypeScript

### Frameworks & Libraries

- Akka, Cats, Circe, Http4s, Micronaut, Play Framework, Quarkus, Quill, React, Spring Boot, Spring Framework, ZIO

### Databases & Data Stores

- Cassandra, DynamoDB, Elasticsearch, Hazelcast, Memcached, MongoDB, MySQL, PostgreSQL, Redis, Redshift, Zookeeper

### Cloud & DevOps

- AWS, Azure, Docker, Google Cloud Platform, Kubernetes

### Tools & Methodologies

- ActiveMQ, Git, Gradle, GraphQL, JUnit, Kafka, Kanban, Maven, TestContainers, SBT, ScalaTest, SCRUM, Specs2

## PROJECTS

- **periodik**: Read-only property delegate that can provide a value refreshed periodically
- **spring-boot-crud**: Opinionated, REST-ful and generic CRUD operations for Spring Boot applications
- **effect**: Functional effect library in Scala
- **e**: Zero-dependency error handling library
- **bookstore**: Project demonstrating automated testing on backend
- **Muezzin**: Android application and server

## PUBLICATIONS

- Videos of talks and presentations from conferences/meetups: [tinyurl.com/makiftutuncu-talks](https://tinyurl.com/makiftutuncu-talks)
- Blog: [dev.to/makiftutuncu](https://dev.to/makiftutuncu)
- Blog about Scala in Turkish: [makiftutuncu.wordpress.com](https://makiftutuncu.wordpress.com)
- One of the first blogs about Android in Turkish: [androidce.blogspot.com](https://androidce.blogspot.com)

## EDUCATION

### Izmir Institute of Technology

Computer Engineering

09-2009 to 06-2014

## CERTIFICATIONS

- Agility: Team Accelerator
- AWS Certified Cloud Practitioner
- Complete Guide to Elasticsearch
- AWS Certified Solutions Architect - Associate

## LANGUAGES

- Turkish (Native)
- English (Fluent)
- Dutch (Beginner)