Mehmet Akif **Tütüncü**

Lead Software Engineer

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akif.dev   github.com/makiftutuncu   linkedin.com/in/makiftutuncu

11+ 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 @ bol

bol.com / Utrecht, Netherlands / 04-2025 to Now

- Joined supplier experience team in partner journey department, helping bol work better with suppliers

Lead Software Engineer @ iO

iodigital.com / Utrecht, Netherlands / 12-2022 to 04-2025

- 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 for an internal documentation supporting over 1000 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
- Skills: AWS, Azure, Docker, Functional Programming, Git, Gradle, GraphQL, Hazelcast, Java, JUnit, Kotlin, Kubernetes, Maven, Object Oriented Programming, PostgreSQL, React, Reactive Programming, SCRUM, Spring Boot, Spring Framework, TestContainers, TypeScript

Senior Software Engineer @ Scalac

scalac.io / Istanbul, Turkey / 11-2021 to 10-2022

- Consultant at Conduktor
  - 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 Conduktor Platform, offering management capabilities for Kafka clusters with easy-to-use user interfaces
- Skills: Akka, Circe, Docker, Functional Programming, Git, Google Cloud Platform, Http4s, Java, JUnit, Kafka, Kanban, Micronaut, Object Oriented Programming, PostgreSQL, Quill, SBT, Scala, ScalaTest, TestContainers, ZIO, Zookeeper

Senior Software Engineer @ Numbrs

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
- Skills: Cassandra, Circe, Docker, Functional Programming, Git, Go, Gradle, Http4s, Java, JUnit, Kafka, Maven, Object Oriented Programming, PostgreSQL, Quill, Reactive Programming, SBT, Scala, ScalaTest, SCRUM, Spring Boot, Spring Framework, TestContainers, ZIO

Senior Software Engineer @ sahibinden

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
- Skills: Cassandra, Docker, Elasticsearch, Functional Programming, Git, Java, JUnit, Kafka, Kotlin, Maven, Memcached, MongoDB, MySQL, Object Oriented Programming, SCRUM, Spring Boot, Spring Framework, TestContainers, Zookeeper

Software Engineer @ VNGRS

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
- Skills: ActiveMQ, Akka, AWS, Cats, Circe, Docker, Functional Programming, Git, Gradle, Http4s, Java, JUnit, Kanban, Kotlin, Maven, Object Oriented Programming, Play Framework, PostgreSQL, Reactive Programming, Redis, SBT, Scala, ScalaTest, SCRUM, Specs2, Spring Boot, Spring Framework, TestContainers, Zookeeper

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: Akka, AWS, DynamoDB, Functional Programming, Git, Kanban, MySQL, Object Oriented Programming, Play Framework, Reactive Programming, Redis, Redshift, SBT, Scala, 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
- Blog: dev.to/makiftutuncu
- Blog about Scala in Turkish: makiftutuncu.wordpress.com
- One of the first blogs about Android in Turkish: 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)