



Mehmet Akif Tütüncü

Senior Software Engineer

📍 Amsterdam, Netherlands

📅 Mar 1991 ✉️ mat@akif.dev

🌐 <https://akif.dev>

🔄 [makiftutuncu](#)

in [makiftutuncu](#)

🐦 [makiftutuncu](#)

I'm a senior software engineer with over 9 years of professional experience in the software industry, focused on backend. I worked with companies globally, providing consulting and training services. My expertise lies in JVM technologies, Scala, Java, and Kotlin, and I'm skilled in both object-oriented and functional programming. I have a solid understanding of CI/CD, testing, databases, cloud applications, and microservices. I'm passionate about open-source software, I created several tools to help developers and I spoke at conferences/meetups. Outside of work, I enjoy traveling, cooking, and listening to rock/metal music.

RECENT WORK EXPERIENCE

1. iO - iodigital.com (Dec 2022 - Present)

Senior Software Engineer

Co-organized workshops, wrote articles on company blog, attended recruitment interviews, performed code reviews and mentoring, worked on improving the hiring process, worked on open-source side projects as a tech-lead at iO; currently working at Rabobank, developing an internal functional documentation portal

🔗 [#azure](#) [#docker](#) [#functional-programming](#) [#graphql](#) [#git](#)
[#gradle](#) [#hazelcast](#) [#java](#) [#junit](#) [#kotlin](#) [#postgresql](#)
[#rabbitmq](#) [#reactive-programming](#) [#spring-boot](#)

3. Numbrs - numbrs.com (Nov 2020 - Oct 2021)

Software Engineer

Worked in Personal Finance Management team, responsible for developing new features to Numbrs app backend

🔗 [#aws](#) [#cassandra](#) [#circe](#) [#couchbase](#) [#docker](#) [#functional-programming](#) [#git](#) [#go](#) [#gradle](#) [#java](#) [#junit](#) [#kafka](#) [#kubernetes](#)
[#play-framework](#) [#postgresql](#) [#quill](#) [#reactive-programming](#)
[#sbt](#) [#scala](#) [#scalatest](#) [#scrum](#) [#spring-boot](#)

5. VNGRS - vngrs.com (May 2017 - Aug 2019)

Software Engineer

Worked in the kick-off process for their latest product in MAF Properties team; helped migrate and maintain a mobile payment system in Beam team; helped design/develop and maintain multiple backend projects in Socrata team

🔗 [#activemq](#) [#akka](#) [#aws-ec2](#) [#aws-rds](#) [#aws-s3](#) [#cats](#) [#circe](#)
[#docker](#) [#dynamodb](#) [#elastic-beanstalk](#) [#functional-programming](#)
[#git](#) [#http4s](#) [#java](#) [#junit](#) [#memcached](#) [#play-framework](#)
[#postgresql](#) [#ruby-on-rails](#) [#sbt](#) [#scala](#) [#scalatest](#) [#scrum](#)
[#spring-boot](#) [#zookeeper](#)

2. Scalac - scalac.io (Nov 2021 - Oct 2022)

Senior Software Engineer

Worked with Conductor as a consultant, migrated part of their legacy Java API to a new Scala service which included an automated mechanism to check for correctness, then worked on admin of Conductor Platform, containing many Conductor products

🔗 [#akka](#) [#cats](#) [#circe](#) [#docker](#) [#functional-programming](#) [#git](#)
[#google-cloud](#) [#http4s](#) [#java](#) [#junit](#) [#kafka](#) [#kanban](#) [#micronaut](#)
[#postgresql](#) [#quill](#) [#sbt](#) [#scala](#) [#zio](#)

4. sahibinden.com (Aug 2019 - Nov 2020)

Senior Software Engineer

Worked in the search team on search, promotions and categories domains, also took the lead on automating the process of updating geo/location data

🔗 [#cassandra](#) [#elasticsearch](#) [#git](#) [#java](#) [#junit](#) [#kafka](#)
[#memcached](#) [#mongodb](#) [#mysql](#) [#scrum](#) [#spring-boot](#) [#spring-framework](#) [#zookeeper](#)

6. Linovi (Oct 2013 - Oct 2016)

Software Engineer

Started as part-time, then joined Shazam team full-time, had varying tasks from developing features, fixing bugs, writing automated tests to maintaining projects

🔗 [#akka](#) [#aws-ec2](#) [#aws-rds](#) [#aws-s3](#) [#aws-sqs](#) [#aws-swf](#) [#aws-ses](#)
[#dynamodb](#) [#functional-programming](#) [#git](#) [#kanban](#) [#mysql](#) [#play-framework](#) [#redis](#) [#redshift](#) [#sbt](#) [#scala](#) [#specs2](#) [#scrum](#)

TALKS AND PRESENTATIONS

Things I Learned Building a Functional Effect System
Functional Scala 2022

↪ <https://youtu.be/ZNB2epqQhc8>

Kotlin for Backends

sahibinden.com D2D

↪ <https://github.com/makiftutuncu/kotlin-for-backends>

Testing Web Backends With Scala

Test Hive

↪ <https://youtu.be/QnK8pyGUOac>

PERSONAL PROJECTS

spring-boot-crud

Opinionated, REST-ful and generic CRUD operations for Spring Boot applications

`#kotlin #java #api #crud #spring-boot``

↪ <https://github.com/makiftutuncu/spring-boot-crud>

e

A zero-dependency micro library to deal with errors

`#kotlin #java #scala #error-handling``

↪ <https://github.com/makiftutuncu/e>

Bookstore

A project demonstrating automated testing on backend

`#scala #finch #scalatest #postman #docker #flyway #doobie``

`#postgresql``

↪ <https://github.com/makiftutuncu/bookstore>

EDUCATION

Izmir Institute of Technology

Bachelor's Degree, Computer Engineering

(Aug 2009 - Jun 2014)

Education in English, focused on software, started my career halfway through with internships and part-time positions

LANGUAGES

Turkish

Native

English

Professional

VOLUNTEER EXPERIENCE

Kodluyoruz

(Dec 2020 - Jan 2021)

Instructor

I gave introduction to Scala and functional programming lectures.

Izmir Institute of Technology

(Jan 2013 - Apr 2013)

Instructor

I gave Android lectures in student club at my university.

CERTIFICATIONS

Complete Guide to Elasticsearch

Udemy

(Jun 2020)

AWS Certified Solutions Architect - Associate (May 2018)

Amazon

Dealing with Errors on JVM with e
ScalaUA 2020

↪ https://youtu.be/HAQZtTZae_Q

Typeclass 101

VNGRS Lightning Talks

↪ <https://youtu.be/jPiM9uBHpwI>

Working Remotely From Turkey

Interview with DevTech Community

↪ <https://youtu.be/VbvllcR-JYg>

Effect

Functional effect library in Scala

`#scala #error-handling #functional-effect``

↪ <https://github.com/makiftutuncu/effect>

k-retry

Naive retry implementation

`#kotlin #junit``

↪ <https://github.com/makiftutuncu/k-retry>

Muezzin

Android application and server

`#scala #java #play-framework #postgresql #anorm #akka``

↪ <https://github.com/makiftutuncu/Muezzin>