



Mehmet Akif Tütüncü

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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

Before joining a client project as a consultant, acted as a developer advocate, 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

`#docker #functional-programming #git #gradle #java #junit #kotlin #postgresql #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 #cats #circe #docker #dynamodb #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 #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

Instructor

(Dec 2020 - Jan 2021)

I gave introduction to Scala and functional programming lectures.

Izmir Institute of Technology

Instructor

(Jan 2013 - Apr 2013)

I gave Android lectures in student club at my university.

CERTIFICATIONS

Complete Guide to Elasticsearch

Udemy

(Jun 2020)

AWS Certified Solutions Architect - Associate

Amazon

(May 2018)

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/VbvIlcR-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>