Utku **Turunç**

SOFTWARE ENGINEER · ELECTRONICS ENGINEER

Berlin/Germany

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Summary

Software Engineer of three years with additional three years of experience in full-stack web development from freelance projects.

Professionally, I have been developing backends in Play Framework (Scala), Spring Boot (Kotlin) and Express/Koa (NodeJS). I have experience in developing and designing microservices and I also have experience in AWS, Google Cloud Platform, Docker and Kubernetes as I've been taking active responsibilities in DevOPS for several projects.

Spending two years at a software house enabled me to work on several different projects allowing me to get experienced with various technologies and every part of the software development cycle from design to deployment. I have been mainly focused on backend development but due to my freelance projects and personal interests, I am also fluent in ReactJS and it's ecosystem including but not limited to React-Router, Redux and GraphQL.

My current technology of choice is Scala, namely Play Framework. I am actively trying to develop a more functional style of programming.

Work Experience

Zalando SE   *Berlin, Germany*
SOFTWARE ENGINEER   *Feb. 2019 - Present*

- Worked on a microservice in Scala for a new architecture built for a large scale logistics management system.
- Created multiple tooling, especially one for automated e2e testing on CI/CD pipelines.
- Provided maintenance and support for legacy systems.

McMakler GmbH.   *Berlin, Germany*
SOFTWARE ENGINEER   *Aug. 2018 - Feb. 2019*

- Worked as a NodeJS backend developer for in house built CRM system.
- Developed and maintained microservices.

Valensas   *Istanbul, Turkey*
SOFTWARE ENGINEER   *Jul. 2016 - Jul. 2018*

- Gained experience leading small to medium sized projects.
- Worked as backend engineer, focusing on chatbots.
- Designed a chatbot framework that can manage conversation states, execute timed jobs, integrate with other web services, use machine learning and natural language processing in order to understand user input.
- Worked for a large scale banking project, designing and developing microservices

Freelance   *Istanbul, Turkey*
SOFTWARE DEVELOPER   *Jan. 2013 - Jul. 2016*

- Worked on several small to medium scale freelance projects as a full stack developer.
- Stack of choice is NodeJS (Koa) or Play Framework (Scala) + ReactJS with GraphQL.
- Mostly took part on the backend and admin ui.
- Completed a directory of blogs, truck rental and route planning app, motorcycle renting and tour reservation app, a donation app for a non-profit, a chat base party game.

Skills

Programming - Strong	Scala, Typescript, JavaScript, NodeJS, Kotlin
Programming - Familiar	Java, Python, Spark, CoreNLP, Machine Learning, Natural Language Processing
Web Development	Play Framework, Akka, Spring Boot, ReactJS, Redux, GraphQL, Express, Koa, HTML5, CSS, REST
DevOPS	AWS, Google Cloud Engine, Docker, Kubernetes, Linux, Microservices
Database	Redis, PostgreSQL, MongoDB
Electronics	SPICE, MagicVLSI, IRSIM, Matlab, Arduino, C, C++, Filter Design, VHDL, Analog Circuit Design, MEMS

Presentations

Turkey Artificial Intelligence Initiative (turkiye.ai) *Istanbul, Turkey*
PRESENTER FOR VALENSAS *Oct. 2017*
- A talk about the usage of artificial intelligence in our projects

Education

İTÜ (Istanbul Technical University) (3.95/4) *Istanbul, Turkey*
B.S. IN ELECTRONICS AND COMMUNICATION ENGINEERING *Sep. 2012 - Jun. 2013*
- Transferred to Boğaziçi University at the end of the first year

Boğaziçi University (3.24/4) *Istanbul, Turkey*
B.S. IN ELECTRICAL AND ELECTRONICS ENGINEERING *Sep. 2013 - Jun. 2016*
- Completed electronics specialization
- Grade is not inclusive of first year

Projects

Logistics Management System *Berlin, Germany*
SOFTWARE ENGINEER - ZALANDO SE *Feb. 2019 - Present*
- Development of a microservice for a very large scale logistics backend

Real Estate CRM System *Berlin, Germany*
SOFTWARE ENGINEER - MCMAKLER GMBH. *Aug. 2018 - Feb. 2019*
- Development and maintenance of microservices powering Immoforce, an internal CRM system for the company.

Tosla - P2P Banking Application by Akbank *Istanbul, Turkey*
SOFTWARE ENGINEER - VALENSAS *Feb. 2018 - Jul. 2018*
- Developed several microservices, namely core banking and social feeds for a modern peer to peer banking application
- Set up Kubernetes configurations and deployment pipelines.
- Project uses Spring Boot and Hibernate for core banking, Scala (Akka) for social feeds

Valensas VoT *Istanbul, Turkey*
SOFTWARE ENGINEER - VALENSAS *Jul. 2016 - Mar. 2018*
- Valensas VoT is a complete customizable chatbot solution that includes conversation management, natural language processing in English and Turkish, machine learning and scheduled tasks.
- Designed and developed the framework for this project that was used in several other projects.

Akbank Assistant - Akbank Chatbot *Istanbul, Turkey*
SOFTWARE ENGINEER - VALENSAS *Sep. 2017 - May. 2018*
- Developed a chatbot for Akbank which can be used to transfer money and pay invoices, one of the largest banks in Turkey.
- The project was written as microservices in TypeScript and Scala (Play Framework, Spark and CoreNLP) and deployed to Akbank datacenters on Linux.
- Project has been released with a TV commercial and printed press coverage.

Boti - Turkish Airlines Chatbot *Istanbul, Turkey*
SOFTWARE ENGINEER - VALENSAS *Feb. 2017 - Sep. 2017*
- Developed a chatbot for Turkish Airlines, a star alliance member and flag carrier airline of Turkey. The bot can be used to buy tickets, select seats, check-in, query flight statuses and more.
- The project was written as 4 microservices in TypeScript and Scala (Play Framework, Spark and CoreNLP) and deployed to AWS.

Hepsichat - Hepsiburada Chatbot *Istanbul, Turkey*
SOFTWARE ENGINEER - VALENSAS *Nov. 2016 - Feb. 2017*
- Developed a customer support chatbot for the largest e-commerce platform in Turkey, Hepsiburada.
- The chatbot greets users, collects information and solves specific issues, if it cannot resolve the issue it redirects the users to human agents, saving time and resources.
- The project was written in TypeScript and Scala (Play Framework, Spark and CoreNLP) and deployed to AWS Lambda.

AskTim - Chatbot *Istanbul, Turkey*
SOFTWARE ENGINEER - VALENSAS *Jul. 2016 - Dec. 2016*
- Developed a Slack bot that is integrated with several analytics providers such as Mixpanel and Google Analytics.
- The bot is able to process natural language and produce visual reports combining data from different sources.
- The project was written in Scala using Play Framework and CoreNLP and deployed to AWS.