# Utku **Turunç**

SOFTWARE ENGINEER · ELECTRONICS ENGINEER

*Berlin/Germany*

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## **Sum**mary

Software Engineer of two 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 highly fluent in ReactJS and it's ecosystem including React-Router, Redux and GraphQL.

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

## **Wor**k Experience

### **McMakler GmbH.**
*Berlin, Germany*

SOFTWARE ENGINEER · *Aug. 2018 - Present*

- Working as a NodeJS backend developer for in house built CRM system.
- Developing and maintaining microservices.

### **Valensas**
*Istanbul, Turkey*

SOFTWARE ENGINEER · *Jul. 2016 - Jul. 2018*

- Worked at artificial intelligence projects, 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 mostly as a Backend Software Engineer, also developed Web UI using ReactJS for chatbot administration feature

### **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.

### **Huawei Technologies**
*Istanbul, Turkey*

SOFTWARE DEVELOPER INTERN · *Jul. 2015 - Sep. 2015*

- Summer Internship at R&D department.
- Worked on a data mining project using SpringMVC.
- Integrated Swagger into a project that is used for web service discovery.

## **Ski**lls

| | |
|---|---|
| **Programming - Strong** | Scala, Typescript, JavaScript, NodeJS, Kotlin |
| **Programming - Familiar** | Python, Spark, CoreNLP, Machine Learning, Natural Language Processing |
| **Web Development** | Play Framework, Akka, Spring Boot, ReactJS, Redux, GraphQL, Koa, HTML5, CSS, REST |
| **DevOPS** | AWS, Google Cloud Engine, Docker, Kubernetes, Linux, Microservices |
| **Database** | Redis, MySQL, PostgreSQL, Hibernate |
| **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

**Immoforce**    *Berlin, Germany*

SOFTWARE ENGINEER - MCMAKLER GMBH.    *Aug. 2018 - Present*

- Development and maintenance of microservices powering Immoforce, an internal CRM system for the company.

**Undisclosed P2P Banking Application**    *Istanbul, Turkey*

SOFTWARE ENGINEER - VALENSAS    *Feb. 2018 - Jul. 2018*

- Developed several microservices for a modern peer to peer banking application
- Set up Kubernetes configurations and deployment pipelines.
- Responsible for core banking and social feeds.
- 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.