Utku **Turunç**

SOFTWARE ENGINEER · ELECTRONICS ENGINEER

Istanbul/Turkey

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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

Experience

Valensas   *Istanbul, Turkey*
SOFTWARE ENGINEER   *Jul. 2016 - Present*
- Worked at artificial intelligence projects, mainly for 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.
- Mostly took part as a Backend Developer.

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.

Techneon   *Istanbul, Turkey*
EMBEDDED SYSTEMS INTERN   *Jan. 2016 - Feb. 2016*
- Winter Internship on Embedded System Design.
- Designed an energy saving smart electrical outlet.

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.

AVEA (currently Türk Telekom)   *Istanbul, Turkey*
SOFTWARE DEVELOPER INTERN   *Jun. 2014 - Aug. 2014*
- Summer Internship at AveaLabs.
- Developed an admin ui using AngularJS and Django.

Skills

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

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

Projects

Unreleased P2P Banking Application   *Istanbul, Turkey*

BACKEND DEVELOPER   *Feb. 2018 - Present*

- 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   *Jul. 2016 - Present*

- 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   *Sep. 2017 - May. 2018*

- Developed a chatbot for Akbank, one of the largest banks in Turkey.
- The bot can be used to transfer money and pay invoices.
- The project was written as 4 microservices in TypeScript and Scala (Play Framework, Spark and CoreNLP) and deployed to Akbank datacenters on Linux.
- Project is currently in closed beta, set to be released with a TV commercial in the following weeks.

Boti - Turkish Airlines Chatbot   *Istanbul, Turkey*

SOFTWARE ENGINEER   *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 Elastic Beanstalk.

Hepsichat - Hepsiburada Chatbot   *Istanbul, Turkey*

SOFTWARE ENGINEER   *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 and AWS Elastic Beanstalk.

AskTim - Chatbot   *Istanbul, Turkey*

SOFTWARE ENGINEER   *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.