Can Berker

Full Stack Software Engineer

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in can-berker   ⊙ CanBerker

PROFESSIONAL EXPERIENCE

07/2020 – Present
Zürich, Switzerland

Full Stack Software Engineer
Oviva ⬀
- Building pixel-perfect UIs in various projects using diverse frameworks (AngularJS, Vue, JQuery)
- Implementing highly scalable backend features (Java EE) serving thousands of users

02/2019 – 09/2019
Zürich, Switzerland

Full Stack Software Engineer Intern (Working Student 40-100%)
Atfinity ⬀
- Managing a modern technology stack utilizing React.js and Django
- Architecting a domain specific language with ANTLR for customer use
- Application deployment experience to cloud based infrastructure

06/2018 – 02/2019
Zürich, Switzerland

Graduate Research Assistant
ETH Zürich
- Main developer in the open source Rumble Project ⬀
- Developing a performance-critical querying engine
- Working on cluster computation with Spark
- Pushing the project into public beta stage

02/2018 – 05/2018
Zürich, Switzerland

Graduate Teaching Assistant
ETH Zürich
- Leading weekly exercises for MSc students in Big Data for Engineers
- Grading assignments through the semester

01/2016 – 06/2017
Istanbul, Turkey

Full Stack Software Engineer (100%)
Visiothink
- Developing data visualization applications using GIS data
- Managing requirements security-critical bank environment

PUBLICATIONS

12/2020

Rumble: Data Independence for Large Messy Data Sets ⬀
PVLDB, 14(4): 498 - 506
- A query execution engine for large, heterogeneous, and nested collections of JSON objects built on top of Apache Spark

EDUCATION

2017 – 2020 Zürich, Switzerland	**MSc in Computer Science** *ETH Zürich* **GPA:** 5.09/6.00 **Thesis:** Machine Learning on JSONiq - Designed and implemented an Apache Spark-based machine learning framework on top of the Rumble engine - Supervised by Prof. Dr. Gustavo Alonso, Dr. Ghislain Fourny
2012 – 2017 Istanbul, Turkey	**BSc in Computer Science and Engineering** *Sabanci University* **GPA:** 3.82/4.00 **Dissertation:** "Pulse of FENS (Faculty of Engineering): Visual Analysis of Human Generated Big Data" - Supervised by Assoc. Prof. Selim S. Balcısoy

CERTIFICATES

Advanced Javascript Concepts ↗ *(Issued 04/2020, Udemy)*

The Complete Junior to Senior Web Developer Roadmap *(Issued 01/2020, Udemy)*

SKILLS

Web Development
Javascript (React/Angular/AngularJS/Vue)
Python(Django)
HTML/CSS

Software Engineering
Java (SE and EE), C++/C#, Kotlin
Bash scripting, Git, ANTLR
Android Development, R

Databases
RDBMS Systems (MariaDB, PostgreSQL...)
NoSQL Databases and Document Stores
GIS Systems (PostGIS and ArcGIS)

Big Data Technologies
Spark, MapReduce
HDFS

INITIATIVES

02/2018 – 02/2019 Zürich, Switzerland	**Member of the Board for MOEB** - Assisting new MSc students' integration into ETH through organized events
09/2012 – 06/2013 Istanbul, Turkey	**Civic Involvement Projects (CIP)** *Sabanci University* - Conducting weekly workshops with primary school children to aid their development