





# Umut Canbolat

Full-Stack Software Engineer

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## Experience

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### Klarna

- Software Engineer II** Jun. 2021 - present  
Giessen, Germany
  - Development of the post-purchase operations of direct debit payment method with **Spring Boot** and **Java 11**.
  - Handling the post-purchase communications. Email/SMS/Push send-outs using **Apache Kafka** and **React.js**.
  - Creating monitoring/alarming dashboards using **Datadog**.
- Software Engineer I** Mar. 2020 - Jun. 2021  
Giessen, Germany
  - Worked as a full-stack engineer using **React.js** on the front-end and **Java 11** at the back-end.
  - Development of a paywall solution for digital newspapers. This new solution increased the conversion rate significantly while signing up more recurring users. (Tested initially on Swedish newspaper Dagens Nyheter)
  - Implementation of a completely new user experience for direct debit by enabling the usage of Klarna User Accounts.
  - Automated front-end testing with **Testcafe** and **Jest**, back-end testing with **Groovy**, **Spock Framework** and **WireMock**.

- R&D Asst. Software Engineer • Huawei** Oct. 2018 - Feb. 2020  
Istanbul, Turkey
  - I worked on the development of a CMS portal as a back-end engineer.
    - The system was used by maintainers of the AppGallery application market, to manage Android apps published by developers worldwide.
    - The system was written in **Java** and consisted several **microservices**.
  - I've developed data visualization web applications for mobile carriers.
    - Used **React.js**, **TypeScript** and **Apache Echarts** on the front-end and **Spring** at the back-end.
    - Worked on the development of an internal front-end framework with built-in centralized state management.

- Jr. Software Developer • OBSS** Nov. 2017 - Jun. 2018  
Kocaeli, Turkey
  - Designed and developed a risk measuring **UWP** app with **C#.NET** for Turkey's biggest insurance company Anadolu Sigorta.

- Intern, Research Assistant • Adam Mickiewicz University** Jun. 2017 - Sep. 2017  
Poznań, Poland
  - Developed a corpus quality evaluation software using **Java** and **ProLog** as a continuation of the research project OCAS.

## Education

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- Computer Engineering • Kocaeli University** 2014 - 2018  
Bachelor's Degree
- Computer Science • Adam Mickiewicz University** 2015 - 2016  
Bachelor's Degree • Erasmus+ Exchange

# Personal Projects

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## Instant Username Search

A username search engine which checks more than 100 social media sites. Monthly 45k+ active users.

Tech stack: [React.js](#), [Spring Boot](#), [Kubernetes](#), [Docker](#), [GitHub pages](#), [Github Actions](#).

## Autofillr

A Chrome extension that fills registration forms with randomly but consistently generated fake data. This drastically decreased the time required for testing/validating user flows.

## Unrepeat

The missing inverse of the [javascript](#)'s repeat method. Written in [Typescript](#). Available at NPM.

# Publications

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## Saturation Tests in Application to Validation of Opinion Corpora: A Tool for Corpora Processing • [Springer](#)

*Jun. 2018*

We proposed tools for collection and validation of empirical data in the form of a corpus. Data is collected from booking.com users' hotel reviews.

## TSCC: a New Tool to Create Lexically Saturated Text Subcorpora • [LREC 2018](#)

*May. 2018*

A text processing tool to valuate lexical saturation of text corpora, where lexical saturation refers to a state in which it is hard to find new lexemes outside the corpus.