

Berzan Mikaili Yildiz

github.com/bmikaili
devpost.com/berzanmikaili

Education

Munich, Germany	Technical University of Munich	October 2016 – February 2020
<i>B.Sc. in Computer Science with minor in Business</i>		
Barcelona, Spain	Pompeu Fabra University	September 2018 – January 2019
<i>B.Sc. in Computer Science, Erasmus exchange semester</i>		

Skills

- **Programming languages:** Java (Spring Cloud), Python (Flask), Swift, Javascript (React Native), PostgreSQL
- **Tools:** Unix, Git, Docker, Kubernetes, Vim, Elasticsearch, Filebeat, Kibana, Zipkin, MongoDB, Firebase

Work Experience

Software Engineer	Raytion GmbH	January 2019 – July 2019
<i>Distributed enterprise information retrieval platform</i>		
<ul style="list-style-type: none">• Improved troubleshooting time by setting up tracing and logging for microservice architecture.• Increased speed for distributed job scheduling by rewriting it to work multithreaded instead of singlethreaded.• Decreased network traffic by rewriting existing clients and servers to use long polling instead of short polling.• Adapted a service to be stateless and secure by persisting and recovering data from a PostgreSQL database.• <i>Tech stack:</i> Java (Spring Cloud), Zipkin, Elasticsearch, Kibana, Filebeat, Docker, PostgreSQL, Jooq		

Projects

Practical Course (iPraktikum)	Technical University of Munich	March 2019 – August 2019
<ul style="list-style-type: none">• Worked on the backend and iOS frontend of a system consisting of a traffic simulation, a web app and a mobile app that displays various traffic data and driving recommendations based on real world sensor inputs.• <i>Tech stack:</i> Python (Flask), Docker, MongoDB, Swift		
5AM Bot		July 2019
<ul style="list-style-type: none">• Created a Telegram bot checking and counting wake up times of group members to reward dedication.• <i>Tech stack:</i> Python (Aiogram Telegram Bot Framework), Firebase		

Awards

- **Winner Microsoft challenge and Wildtrack, hackaTUM 2019:** We built an app that allows people with disorders like autism to train facial emotion recognition by using facial expressions to play games.
- **1st Prize, Best Engineering Project:** Won the award for the best project in engineering at the Pompeu Fabra University with RFIT – an Android app that utilizes RFID and IoT to offer intelligent workout tracking.
- **Finalist & 2nd Prize Logitech Challenge, Hack Zurich 2019:** Built a macOS app to simplify window management for context changes using *AppleScript, JavaScript and Electron*.

Volunteering

Core Team Member	Google Developers Student Club	September 2019 – Present
<ul style="list-style-type: none">• Organizing community events such as tech talks or workshops and collaborating on solving local problems.• Already grew community to over 100 active members and biweekly events with over 50 attendants on average.		
Mobile App Developer	Academy Consult München e.V.	October 2017 – September 2018
<ul style="list-style-type: none">• Developed client-side functionality of a cross-platform app for internal use and set up monitoring with Sentry.• <i>Tech stack:</i> Javascript (React Native, Node.js), MongoDB		