

# Hasan Selman KARA



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<b>Info</b>	Nationalities: Swiss and Turkish Birthday: 24.12.1995
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Employment	Full Stack Android Engineer — Migros Online AG	(2020.04–today)
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- ◇ Built key features of the new Migros Online e-commerce Android app as part of an agile team, generating millions of CHF in revenue and scoring a ~4.5 stars Play Store review.
- ◇ Closely worked with crucial stakeholders such as POs, UX, Q&A, analytics and other team members from Zurich, Ecublens and Beirut to continuously improve the product.
- ◇ Introduced UI test automation for end-to-end domain and stress tests, finding serious bugs and performance issues before the public release. (*Espresso, Firebase Test Lab*)
- ◇ Maintained and extended the CI/CD setup of the iOS and Android app. (*Bitrise, Firebase*)

**Vagabond — World** *(2019.07–2020.02)*  
 Visited the Balkans, Eastern Europe, Turkey, the Caucasus, Iran and Sri Lanka for leisure.

**Bachelor's Thesis, 5.5 — Shouldcosting GmbH (2018–2019)**  
 Developed and integrated a “programming by example”-system for data-cleaning which outperforms the baseline in every test. The system synthesizes programs into a custom DSL for complex string-manipulations by providing input-output-examples. [www.selman.li/thesis](http://www.selman.li/thesis) (*C#, program synthesis, PBE*)

**Programmer — FHNW Research Institute for 4D-Technologies (2015–2017)**

- ◇ Added a NLP based classifier to an internally developed crawling framework to extract open job listings from company websites and job portals. (*Java, Lucene, CoreNLP*)
- ◇ Built a system to crawl AJAX based websites and provide labeled data for a ML-model. (*Selenium, Docker, Spring-Boot*)
- ◇ Developed the Karmabooster app and back-end for SWISSAID to gamify donations. (*Spring-Boot, Cordova, Postgres, AngularJS*)

**Intern — FHNW Research Institute for 4D-Technologies (2014–2015)**

- ◇ Developed the “TwinSearch” Android app to help users find lost twins and soulmates.
- ◇ Built an internal project and team planning app for efficient resource allocation. (*JavaFX*)

<b>Education</b>	<b>FHNW Windisch, 5.0</b> Bachelor Computer Science focusing on distributed software systems	<i>(2015–2019)</i>
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**Informatikmittelschule Baden, 5.0** *(2011–2015)*  
EFZ Applikations-Entwickler with Kaufmännische Berufsmaturität

**Skills** Java (Spring-Boot, Java EE, JavaFX, concurrency), Kotlin, Android SDK & AndroidX, Python (pandas, matplotlib), JavaScript, SQL, Docker, Git, Scrum, Jira & Confluence, ~~TeX~~

**Languages** German (native), English (CAE), Turkish (conversational), French (basic)