

# Furkan Varol

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## EDUCATION

### YILDIZ TECHNICAL UNI.

MEng in Computer Engineering  
Started Feb 2016 | Istanbul, Turkey

### FATIH UNIVERSITY

BS in Computer Engineering  
Grad. June 2014 | Istanbul, Turkey  
CGPA: 3.72 / 4.0

### FH VORARLBERG

BS in Computer Science, Erasmus  
Feb - June 2012 | Dornbirn, Austria  
CGPA: 3.67 / 4.0

## LINKS

Github:// [furkanvarol](#)  
LinkedIn:// [furkanvarol](#)  
Twitter:// [@furkan\\_varol](#)

## SKILLS

Love:

Java • Scala • C# • Python  
Android • Spring • Play  
Spark • Hadoop • AWS  
IntelliJ IDEA • Sublime • ViM • Git  
RFID • NFC • BLE • Beacon  
Like:  
C • C++ • Javascript  
GWT, SmartGWT • .Net • AngularJS  
Redis • RabbitMQ • SQL • NoSQL  
Familiar:  
Ruby • iOS • TeX

## CERTIFICATES

### SOLUTIONS ARCHITECT

Amazon Web Services  
May 2016 | Associate

### BIG DATA WITH SPARK

edX  
July 2015

### RFID ACADEMY

Alien Technology  
June 2014

### HIGH HONOR STUDENT

Fatih University  
2010 - 2014 | Istanbul, Turkey

## REFERENCES

Available upon request

## OPEN SOURCE

### SPARK-ETL | [github.com/vngrs/spark-etl](#)

August 2016 - Present

Lead and developed ETL system on top of Apache Spark. Spark-ETL is highly scalable and distributed. It support range of variety of data sources. With them, it can extract data from N sources, transform them and load them to N destinations [Scala, Spark, ...].

## EXPERIENCE

### ZALANDO SE | Software Developer

September 2016 - Present | Berlin, Germany

- Maintaining, optimising and improving Zalando's recommendation engine.

### VNGRS | Software Developer

June 2015 - August 2016 | Istanbul, Turkey

- Developed a POC for customer segmentation for ad targeting [Java, Spark].
- Lead and developed data warehouse system (including ETL of production data and visualising it) [Scala, Spark, Redshift, QuickSight].
- Lead and developed sentiment analysis system to report affects of society sentiment on sales [Scala, Spark, SparkML].
- Lead and developed customer unification system [Scala, Spark].
- Maintained, optimised and developed new features on Convertale project. Convertale is a recommendation engine for e-retailers and news portals works on top of Amazon Web Services [Java, Scala, Spring, Spark, RabbitMQ, Redis, ...].

### VENDEKA ITS | Software Developer

Dec 2013 - May 2015 | Istanbul, Turkey

- Developed SenseBlue project which uses Apple's iBeacon technology. SenseBlue allows people to be tracked (with proximity) by smart devices. Also allows to track objects for cheaper warehouse management solutions - alternative to RFID systems like Akdeniz [Java, Android, Python, Flask, RaspberryPi, ...].
- Maintained and developed new features on Akdeniz project. Akdeniz is a Smart Warehouse Management System with RFID Technologies [Java, SmartGWT, GWT, .Net, JavaScript, ...].

### CYCLOPS INF. TECH. | Android Developer Intern

July 2012 - Aug 2012 | Istanbul, Turkey

- Developed an Android tracking client integrated with existed system [Java, Android].

### GRIPATI DIGITAL ENT. | Android and iOS Developer Intern

Nov 2011 - June 2012 | Istanbul, Turkey

- Developed and optimised mobile games - CorridorFly [JavaScript, Unity 3D, Android].

### SENIOR DESIGN PROJECTS | Computer Engineer Student

Dec 2013 - May 2014 | Istanbul, Turkey

- Lead and developed mobiCard (a NFC loyalty system, works Software as a Service) [Scala, Play, Java, Android, .Net].

Mar 2013 - June 2013 | Dornbirn, Austria

- Lead and developed a mobile chat application (Nearby Chat) which does not require a server (only works on devices in same network - WiFi) [Java, Android].

## RESEARCH

### SHELF SORT

Jan 2015 - Present | Istanbul, Turkey

Worked with Assist. Prof. Dr. İhsan Haluk Akin to develop a sorting algorithm based on Library Sort (puts gaps to accelerate Insertion Sort). Shelf Sort tries to analyze data first and takes advantage of the state for further acceleration.