

Furkan Varol

furkanvarol.com | furkanvarol@gmail.com

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

EXPERIENCE

AMAZON.COM | Software Development Engineer

August 2017 - Present | Berlin, Germany

- Developed highly scalable realtime personalized ranking engine for Amazon Giveaway Listing Page [Scala, Monix, AWS]
- Maintained and developed various part of Amazon Giveaway system [Java, AWS]

ZALANDO SE | Software Developer

September 2016 - July 2017 | Berlin, Germany

- Developed highly scalable, low latency bulk article availability query service (10ms p99 for 1000s articles) [Go, Redis, Java, Spring, Streaming, PostgreSQL]
- Maintained and developed highly scalable platform to serve Zalando's recommendations [Java, Spring, Redshift, Redis, ES, ...]
- Developed Spark Jobs [Scala, Spark, Java, Python, Airflow]

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 visualizing 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].
- Developed new features on Convertale project which is a recommendation engine for e-retailers and news portals [AWS, 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 tracks people (with proximity) by smart devices. It can also track articles for cheaper warehouse management solutions instead of RFID [Java, Android, Python, Flask, RaspberryPi, ...].
- Developed new features on Akdeniz project. Akdeniz is a Smart Warehouse Management System with RFID Technologies [Java, SmartGWT, GWT, .Net, JavaScript, ...].

INTERN AND SENIOR DESIGN PROJECTS

Cyclops Inf. Tech | Gripati Digital Ent. | Fatih University | FH Vorarlberg

- Developed an Android tracking client integrated with existed system [Java, Android].
- Developed and optimized mobile games - CorridorFly [JavaScript, Unity 3D, Android].
- Lead and developed mobiCard - SaaS NFC Loyalty System [Scala, Play, Java, Android, .Net].
- Lead and developed Nearby Chat - a mobile serverless chat application [Java, Android].

FREELANCE

Remote

- Developed Micro Services to split a monolith payroll service and lead migration to AWS.
- Lead Beacon part of a Venue Management System [Android, iOS, Cordova, iBeacon]
- Lead and developed a Spark job which analyzes human and vehicle movements and GSM events (SMS, Calls) by ingesting TBs of data [Java, Spark, EMR, AWS]

OPEN SOURCE

Dec 2013 - Present

- Lead and developed ETL system on top of Apache Spark [Scala, Spark]
- Contributed to Android Beacon library and ported this library to Windows [Java, Android, C#]
- Developed a automatic torrent download app

SHELF SORT | Research

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.