Furkan Varol

furkanvarol.com | furkanvarol@gmail.com | Seattle, WA, USA

EDUCATION

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**

SKILLS

Love:
Scala • Java • C# • Python
Docker • Kubernetes
Spark • Hadoop • ML • AWS
Android • Spring • Play
IntelliJ IDEA • Sublime • ViM • Git
Like:
Go • C • C++ • Javascript
Redis • RabbitMQ • SQL • NoSQL
RFID • NFC • BLE • Beacon
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 - Seattle, WA, USA
- Led and developed data pipelines to ingest billions of records to support Amazon Star Rating System [Java, Scala, Spark, AWS]
- Maintained and developed Amazon Reviews system [Java, Spring, Scala, AWS]
- Took various ML courses at Amazon Machine Learning University [Numpy, Sklearn]
- Developed highly scalable realtime personalized ranking engine for Amazon Giveaway Listing Page [Scala, Monix, AWS]
- Maintained and developed various part of Amazon Giveaway project [Java, AWS]

ZALANDO SE | Software Developer
September 2016 - July 2017 | Berlin, Germany
- Developed highly scalable, low latency bulk article query service (10ms p99 for querying thousands of 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]
- Led and developed data warehouse system (including ETL and visualization of production data) [Scala, Spark, Redshift, QuickSight]
- Led and developed sentiment analysis system to report affects of society sentiment on sales and customer unification system [Scala, Spark, SparkML]
- Maintained and developed 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 a system with iBeacon technology to track people and articles in warehouses [Java, Android, Python, Flask, RaspberryPi]
- Maintained and developed a Smart Warehouse Management System with RFID [Java, SmartGWT, GWT, .Net, JavaScript]

FREELANCE
- Developed Micro Services to split a monolith payroll service and led migration to AWS
- Led Beacon part of a Venue Management System [Android, iOS, Cordova, iBeacon]
- Led 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
- Led 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 [Python]

INTERN AND SENIOR DESIGN PROJECTS
Cyclops Inf. Tech | Gripati Digital Ent. | Fatih University | FH Vorarlberg
- Developed a mobile tracker client for existed vehicle tracking system [Java, Android]
- Developed and optimized mobile games - CorridorFly [JavaScript, Unity 3D, Android]
- Led and developed mobiCard - SaaS NFC Loyalty System [Scala, Play, Java, Android, .Net]
- Led and developed Nearby Chat - a mobile serverless chat application [Java, Android]

SHELF SORT | Research
Jan 2013 - June 2014 | Istanbul, Turkey
- Developed a sorting algorithm based on **Library Sort** (puts gaps to accelerate **Insertion Sort**) under the supervision of **Assist. Prof. Dr. İhsan Haluk Akın**
- Shelf Sort tries to analyze data first and takes advantage of the state for further acceleration