

Furkan Varol

furkanvarol.com | furkanvarol@gmail.com | Santa Clara, CA, USA

EDUCATION

FATIH UNIVERSITY

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

FH VORARLBERG

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

LINKS

Github:// [furkanvarol](#)
LinkedIn:// [furkanvarol](#)

SKILLS

Love:

Scala • Rust • 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 WEB SERVICES | Senior Software Development Engineer

December 2022 - Present | Santa Clara, CA, USA

- Led & re-developed the AWS API Gateway Integration System [Java, AWS]
- Led & developed a highly scalable, low-latency TUN driver [Rust, AWS]
- Led, maintained and developed various parts of the AWS API Gateway [Java, AWS]

APPLE INC | Software Development Engineer

August 2021 - November 2022 | Seattle, WA, USA

- Led & developed a multi-region Kafka cluster for a catalog pipeline [Java, Kafka, AWS]
- Developed various confidential projects [Java]
- Maintained and developed various parts of the Apple Media Product Catalog System [Java]

AMAZON.COM | Software Development Engineer

August 2017 - July 2021 | Berlin, Germany - Seattle, WA, USA

- Led & developed data pipelines ingesting billions of records for the Amazon Star Rating System [Java, Scala, Spark, AWS]
- Maintained & developed the Amazon Reviews system [Java, Spring, Scala, AWS]
- Completed ML courses at Amazon Machine Learning University [Numpy, Sklearn]
- Developed real-time personalized ranking engine for the Amazon Giveaway [Scala, Monix, AWS]
- Maintained & developed various parts of the Amazon Giveaway project [Java, AWS]

ZALANDO SE | Software Developer

September 2016 - July 2017 | Berlin, Germany

- Developed low-latency bulk article query service [Go, Redis, Java, Spring, PostgreSQL]
- Maintained & developed a scalable 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 & ad targeting [Java, Spark]
- Led & developed a data warehouse (ETL & data visualization) [Scala, Spark, Redshift, QuickSight]
- Led sentiment analysis (reporting public sentiment's effect on sales) & customer unification systems [Scala, Spark, SparkML]
- Maintained & developed a recommendation engine for e-retailers & news portals [AWS, Java, Scala, Spring, Spark, RabbitMQ, Redis]

VENDEKA ITS | Software Developer

Dec 2013 - May 2015 | Istanbul, Turkey

- Developed an iBeacon system to track people & items [Java, Android, Python, Flask, RaspberryPi]
- Maintained & developed an RFID Smart Warehouse Management [Java, GWT, .Net, JavaScript]

FREELANCE

- Developed microservices to split a payroll monolith; led migration to AWS
- Led the iBeacon integration for a Venue Management System [Android, iOS, Cordova, iBeacon]
- Developed a Spark job analyzing human/vehicle movement & GSM events (SMS, Calls) by ingesting TBs of data [Java, Spark, EMR, AWS]

OPEN SOURCE

- Led & developed an ETL system on Apache Spark [Scala, Spark]
- Contributed to the Android Beacon library; ported it to Windows [Java, Android, C#]
- Developed an automatic torrent downloader app [Python]

SHELF SORT | Research

Jan 2013 - June 2014 | Istanbul, Turkey

- Developed a sorting algorithm based on **Library Sort** (optimizes **Insertion Sort** with gaps)
- Shelf Sort analyzes and leverages data state for further acceleration