

# Bora Kaplan

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## CERTIFICATES

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Google Cloud Certified - Professional Data Engineer Feb 2019

AWS Certified Solutions Architect - Associate Mar 2019

## SKILLS

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Language	Scala, Java, Python, SQL
Framework	Akka, Spark, Flink, Beam, Play, Cats
Data	Kafka, Airflow, Cassandra, Druid, Spanner
Ops	Docker, Kubernetes, Terraform, Gitlab CI/CD
Cloud	Google Cloud Platform, Amazon Web Services, Alibaba Cloud

## WORK EXPERIENCE

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**Data Engineer** Oct 2019 - Present  
*Trendyol Group, Istanbul, Turkey*

- Built business advisor portal to serve sellers real-time analytics to increase seller engagement. Built with Scala, Akka and Druid.
- Developed real-time personalization systems with Scala, Akka, Flink and Cassandra which led to increased sales in A/B tests.
- Developed a streaming application with Flink in Scala to monitor active users to replace the system that crashed on events.
- Built data pipelines by consuming sources with CDC and processing the data with Spark or Akka Stream.
- Modernized production releases and migrated existing CI/CD pipelines to Gitlab CI/CD.
- Built data pipelines with Spark in Scala to monitor products and notify in case of a drastic price change.
- Led standardization meetings and workshops to improve existing workflows and teach techniques.
- Mentored new-grads to get them on-board with the team and guide them to become productive.

**Data Engineer** Sep 2018 - Oct 2019  
*VNGRS, Istanbul, Turkey*

- Migrated an on-premise data architecture to Google Cloud Platform.
- Rewritten Hive jobs in a Luigi workflow using Airflow and Spark in Scala. Reduced execution time from 2.5 hours to 55 minutes with same resources. Deployed on Dataproc and Composer.
- Rewritten multiple data collectors with Akka Stream in Scala and Beam in Java. Created Python scripts for CI/CD pipelines, deployed applications using Docker and Kubernetes on Google Kubernetes Engine.
- Re-designed and implemented data architecture of a POS system that was losing data and unable to scale.
- Rewritten data collector as a stateless application to prevent data loss. Rewritten reporting service that required half the resources. Both in Scala using Akka Http.
- Developed multiple data pipelines with Beam which used data in Spanner to aggregate and pre-calculate sales reports, handle late arriving events and consume incoming events from Pubsub.

**Backend Engineering Intern** Jul 2018 - Aug 2018  
*VNGRS, Istanbul, Turkey*

- Developed an application which enabled users to use parking services without tickets using Scala, Play and Cats.
- Improved test coverage up to 70%.
- Updated landing page with new information and added new pages. Deployed it into production and staging environments.

**System Administration Intern** Jun 2017 - Jul 2017  
*Uzmar, Kocaeli, Turkey*

- Created Linux servers and deployed in-house ERP application as a POC.
- Collected benchmarks for response times and garbage collection stats to fine tune the application.
- Developed automation scripts in Python to manage configuration files.

## EDUCATION

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**BS Computer Engineering** Sep 2012 - Sep 2018  
*Sakarya University, Sakarya, Turkey 3.2*