

# Yauheni Baltukha

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## SUMMARY

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With over a decade of experience as a software engineer, I have successfully contributed to both small and large-scale companies. As a versatile engineer, my true passion lies in constructing robust and scalable systems, specializing in the development of backend services and data pipelines. My enthusiasm for problem-solving and the inherent joy I find in overcoming intricate engineering challenges fuel my drive to build innovative solutions.

## EXPERIENCE

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### Senior SWE

Jun 2021 – Present

*Spotify*

*Stockholm*

- Designed and implemented a scalable service for self-serve email recovery, enabling 30k users per month to securely regain access to their accounts after an account takeover.
- Developed and launched a flexible, scalable service for executing workflow-like tasks, which efficiently executes 3M tasks daily and is now utilized by multiple squads across the product area.
- Led an initiative that reduced the operational cost of workflows owned by the squad running on GCP Dataflow by 63%, utilizing optimizations that reduced shuffle and improved resource utilization.

### Senior SWE

Nov 2019 – Mar 2021

*Lyft*

*Minsk*

- Implemented multi-versioning Protobuf schema support for Apache Flink consumer applications.
- Designed and developed a CLI tool to efficiently manage data pipelines.
- Designed a service to materialize collected data into Presto tables.
- Orchestrated the deployment of Helm charts for Presto and Hive Metastore components.

### Senior SWE

Jul 2019 – Nov 2019

*Juno*

*Minsk*

- Designed and developed Flink's source/sink components for backing up Kafka data to a remote file system.
- Developed Flink's Kudu sink to provide integration with Kudu for efficient data writing.
- Utilized Apache Airflow pipelines to schedule periodic backups of Kudu databases.
- Implemented the Kudu Flink Catalog to facilitate data accessibility through Flink's Table API.

### Senior SWE

Nov 2015 – May 2019

*EPAM Systems*

*Minsk*

- Designed and developed Scala-based batch/streaming Spark applications to process lithography data.
- Created Kibana dashboards for processing engineers to enhance manufacturing cycles.
- Collaborated closely with data analysts and process engineers to gather and analyze requirements.
- Mentored and guided junior and mid-level software engineers.

## PROJECTS

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### Data collection platform for events analytics | *Scala, Flink, k8s, AWS, Presto*

May 2020 – Mar 2021

- Designed and developed a system to consume and store analytics events.
- Explored different approaches for materializing data into Presto tables and managing Presto table schemas.

### Data Analytics Platform | *Scala, Spark, Kafka, ELK, AWS*

Sep 2018 – Mar 2019

- Created Kibana dashboards to visualize lithography logs.
- Developed Spark batch/streaming applications to process lithography logs and load them into Elasticsearch.

### Hotel loyalty system | *Java, Oracle, Spring Framework, GWT*

Nov 2015 – Sep 2017

- Designed and developed a service for processing and managing promo codes.
- Integrated GWT UI application with the server-side for efficient promo code management.
- Developed load tests using Gatling for performance testing.

## TECHNICAL SKILLS

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**Languages:** Java, Scala

**Technologies:** Apache Spark, Apache Kafka, AWS, Apache Flink, Docker, K8s

## EDUCATION

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**Belarusian State University of Informatics and Radioelectronics**

*Bachelor*

Minsk, BY

*Sep. 2013 – Jun 2017*