Ron Aharoni

aharoni.ron@gmail.com
+972 547 291 244
Tel Aviv, Israel
borednow.me

Summary

Distributed systems engineer and tech lead, focused on building resilient micro service architectures, stream processing services, and infrastructure. I actively foster engineering excellence by leading, collaborating, and teaching. I am passionate about scaling development organizations and enabling individuals to be more productive.

Professional Experience

Group Tech Lead, Scala, Backend, *Riskified*   *Mar 2017 — current*

- Led all aspects of a multi year effort to transition the company's main product to a Scala and Node.js microservices architecture: technology selection, migration strategy, developing core libraries and infrastructure, and training developers.
- Lead on several projects, focusing on robust, maintainable solutions. Projects included data enrichment pipelines, analytical engines, and a feature engineering platform.
- I introduced and oversaw initiatives critical to the dev organization's growth and velocity such as adopting communication standards (gRPC, Avro, Kafka), self service code platforms and testing at all levels.
- Mentored over 30 developers, supporting professional growth and ongoing work. Lectured on architecture, testing, Scala, and functional programming.

Backend Engineer, *Wix*   *Aug 2014 — Mar 2017*

- Worked on a PaaS enabling users to develop and run cloud hosted web applications.
- Developed a distributed, low latency, cost effective, orchestration system for millions of containers running untrusted code.
- Implemented algorithms for resource allocation and automated failure recovery.
- Led integration efforts with the Azure cloud, and evaluated performance and stability.

Data Engineer, *Pipl*   *Sep 2013 — Aug 2014*

- Worked on a custom search system's data processing and indexing pipeline.
- Researched and developed algorithms to automate data extraction from html pages.
- Implemented a high throughput system for processing crawl data using Python, Cassandra and Redis.

Talks

Type Class Derivation x Scala 3   *Riskified technology meetup, June 2021*
Metaprogramming in Scala 3

Adopting Cats   *Scalapeño Conference, July 2018*
Functional programming

Education

M.Sc., Computer Science, *IDC Herzliya*   *2016 — 2020*

- Research projects in NLP (paragraph2vec), Dimensionality reduction.

B.Sc., Computer Science & Bioinformatics, *Hebrew University of Jerusalem*   *2009 — 2012*

- Research project focused on predicting protein structure, Furman Lab.

Skills & Proficiencies

Languages	Scala, Python, TypeScript, Java, SQL, TeX
Scala	Cats, Monix, Akka {Http, Streams, Actors}, Shapeless, sbt
Data & Streaming	Kafka Streams, Spark, Elasticsearch, Cassandra, Airflow, Aerospike, DynamoDB
Cloud	Docker, Kubernetes, Argo, AWS, Azure