



Sinisa Louc

Senior Software Engineer @ Spotify

- Working with software since 2010.
- ML/AI university background.
- Current professional interests:
 - Distributed systems
 - Data engineering
 - IT security, anti-fraud mechanisms

Personal Info

Email:
sinisalouc@gmail.com

LinkedIn:
Sinisa Louc

GitHub & StackOverflow:
slouc

Languages:

- Croatian (native)
- English (full professional proficiency)
- German (elementary)
- Italian (elementary)

Work Experience

Senior Software Engineer

Spotify | Berlin, Germany | Jan 2022 - Present

- Lead backend & data engineer in the fraud prevention team
- Design and implementation of low-latency, high-throughput services and APIs
- Development and orchestration of large-scale data pipelines (batch & stream)
- Leading & coordinating cross-squad projects, member of the Tech Steering Group, mentoring junior engineers
- Java, Scala, GCP (Dataflow, BigQuery, Bigtable, Pub/Sub), Apache Beam, Docker, Kubernetes

Software Engineer / Technical Designer

MOIA | Berlin, Germany | Jan 2020 - Nov 2021

- Designed and implemented the backend for the MOIA B2B platform: see <https://business.moia.io>
- Worked on an in-house discrete event simulation tool used by various internal teams for assessment of their optimisation algorithms.
- Scala, AWS (Kinesis, Lambda, RDS, Athena, SNS/SQS, Cloudformation), Docker, Kubernetes

Software Engineer

Spotcap Global | Berlin, Germany | Feb 2017 - Dec 2019

- Developed a set of REST APIs used in production for Spotcap's fintech product (business loans for SMEs)
- Implemented algorithms for risk assessment and probability-of-default calculations
- Scala, AWS (S3, RDS), PostgreSQL

Software Engineer

Byte-Code S.p.A. | Milan, Italy | Sep 2015 - Jan 2017

- As part of a two-person greenfield project, I designed and implemented a custom for two international clients. The tool was subsequently released as a standalone product: see <https://www.contentchef.io>
- Scala, Javascript (NodeJS), AWS (SNS/SQS), Apache Spark, MongoDB, Deis (open-source PaaS for Kubernetes)

Solution Architect

HashCode | Zagreb, Croatia | Jun 2014 - Aug 2015

- Lead the development of a process optimisation solution for a large US telecom operator:
 - Initiated the collaboration by performing on-site analysis and consulting in Atlanta and Kansas City
 - Kicked-off the prototype development, implemented an MVP
- Designed and partially implemented an in-house workflow automation tool
- Scala, Java, Java EE, Python

Software Engineer > Solution Architect

Ericsson Nikola Tesla | Zagreb, Croatia | Mar 2011 - Jul 2014

- Took part in implementation of Ericsson-wide tools for optimisation of Radio Access Network protocols
- Organised 1-2 week sessions across the globe (Dublin, Copenhagen, Beijing, Istanbul, Dusseldorf, ...):
 - Pitched the implemented product to several regional Ericsson offices (pre-sales)
 - Demonstrated the product in a live setting on a physical radio base stations
 - Hosted workshops and trainings for educating site engineers on properly using the product
- Java, Python, Perl, Unix Shell (GNU Bash)

Education

- **Master's Degree in Computer Science,**
Faculty of Electrical Engineering and Computing, University of Zagreb, 2011
- **Bachelor's Degree in Computer Science,**
Faculty of Electrical Engineering and Computing, University of Zagreb, 2009