



SERGEY M.

\$70/h.

Senior Back-end Web Developer

[code sample](#)

2

projects
with
Lemon.io

13

years of
experience

SUMMARY

Sergey is a Senior Back-End Developer. He is an experienced and skilled software engineer, passionate about functional reactive programming, distributed systems, and machine learning, constantly pursuing self-improvement, both personal and professional. Sergey calls himself an architect with hands-on experience. He'd be glad to work on a blockchain project or real-time bidding plus big data. Sergey considers himself a more technical person, and he'll be happier to work on development himself than managing juniors.

TECH STACK

/years

Java 11 Scala 4 Rust 3

Other Technologies:

AWS, Golang, SQL, C++, CI/CD, SDLC, Agile, GCP, Docker, ELK, Kafka, Camel, Quarkus, Apache Cassandra, Cassandra, Oracle, NoSQL

EXPERIENCE HIGHLIGHTS

Open-source simple Key-Value database (Jul 2021 – Jul 2022)

B-tree based single-file single-thread key-value database implementation

Role:

Senior Software Engineer

- designed, implemented a simple database
- covered functionality with tests

Tech Stack: Rust

IoT Asset Management Solution (Nov 2019 – May 2021)

Keeping track of configuration changes and processing near-real-time sensor data from a large fleet (scaling potentially to tens of millions) of IoT devices.

Role:

Senior Software Engineer

- designed and implemented IoT data quality dashboard PoC based on Kafka, Spark and Cassandra
- implemented on-demand hot configuration reload for Spark jobs
- extended existing Scala Spark driver to support streaming sinks for micro-batches of data

Tech Stack:

Java, Maven, Spring, Hibernate, Akka, Kafka, Apache Spark, Oracle, Cassandra

AVL-tree impl for Near Rust SDK (May 2020 – May 2020)

AVL-tree (self-balancing) implementation for NEAR blockchain

Role:

Senior Software Engineer

- designed, implemented the AVL-tree impl
- covered functionality with tests

Tech Stack: Rust

Autopilot (Jun 2018 – Sep 2019)

Large-scale automatic vertical and horizontal auto-scaling of batch and continuous workloads in distributed applications and deployments.

Role:

Senior Software Engineer

- did technical debt reduction via refactorings and test coverage extension
- designed, developed, and rolled-out platen scale complex redundant-capacity optimization for horizontal & vertical auto-scaling

Tech Stack: (Google-specific) C++, Borg, Sigma

Online Ads Analytics, Sizmek (Jun 2017 – Jun 2018)

Large-scale advanced analytics of ad-serving traffic events, Main features: building campaign performance reports, building custom conversion funnel reporting.

Role:

Senior Software Engineer, Team Lead (of a cross-functional team of 3-6 people)

- led a team of 4 big-data engineers
- designed and developed a Spark job for event-aggregation
- designed and implemented infrastructure component on top of AWS

Tech Stack: Java, Spring, Apache Spark, AWS, Big Data

RTB DSP Platform (Jun 2014 – Jun 2017)

End-to-end Real-Time-Bidding Demand Side Platform. Serving 100k+ rps with <100ms hard latency limit. Advanced features: analytics (via BigQuery), budget pacing, frequency capping, time-zones and multi-currency support.

Role:

Senior Software Engineer, Team Lead (of a cross-functional team of 3-6 people)

- led a cross-functional team of 6 engineers
- implemented numerous business-features (native ads, exchange aggregators, etc)
- integrated 20+ supply-side platforms (exchanges)
- did OpenRTB protocol generalization and implemented validator in Erlang
- operated in a DevOps capacity on AWS infrastructure

Tech Stack: Scala, Netty, Play, Erlang, AWS

EDUCATION

NTUU KPI

Master's
Computer Science

2012

ADDITIONAL INFO

Individual contractor

Potentially available for direct hire