

Nikolai Obedin

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Software engineer. 10+ years of experience in several areas of software development with a focus on backend programming. I analyze problems, find solutions, design, develop, and maintain correct and performant systems, and provide extensive documentation and tests. I love working with people, sharing knowledge, and learning from peers.

Tech Stack

Go, Java, Scala, Python, Ruby • Spring/Boot, Hibernate, Django, Rails, Akka, Slick • PostgreSQL, Redis, Kafka, MySQL, MongoDB • AWS and GCP cloud services • Terraform, Kubernetes, Docker • Github Actions, Jenkins

Experience

Infarm — Senior Software Engineer — 2020 - Present

Develop and support a backend system and data pipeline for a large fleet of vertical farms. Boost other teams' productivity by providing them with a stable interface for farm management and monitoring regardless of the farm generation or particular hardware parts. Design a protocol for securing local communications with farms over BLE, implement the server part, and collaborate with colleagues implementing the client part.

Klarna — Software Engineer — 2019 - 2020

Develop an internal service unifying access to various payment systems within the company. Considerably improve another service's performance by writing relevant load tests, finding bottlenecks, and implementing fixes.

HERE Technologies — Lead Software Engineer — 2019

Work on an OTA software update solution for the automotive industry.

IDAGIO — Senior Backend Engineer — 2018 - 2019

Initiate and guide a transformation of the backend structure aimed at speeding up the development process and decreasing complexity. Stabilize and speed up platform content generation by enhancing an internal ETL tool's performance and stability via scrutinizing and optimizing database queries and access patterns.

Noa Technologies — Full Stack Engineer — 2016 - 2018

Co-design and implement a low-latency processing pipeline for telemetry from a large fleet of IoT devices. Optimize an algorithm for merging pieces of an ongoing GPS track.

MeeDoc — Software Engineer — 2016

Work on API, several web applications, and Android client.

JetBrains — Software Developer — 2014 - 2015

Significantly speed up importing large Scala projects into IntelliJ IDEA by optimizing usage of SBT resolution caches. Improve IntelliJ Scala plugin quality by introducing integration tests for SBT support functionality.

Education

Master of Engineering — Software Engineering — 2015

St. Petersburg University of Russian Academy of Sciences, St. Petersburg, Russia