

PROFILE

I am a software developer who approaches tasks with an engineering mindset and possesses a solid background in distributed system analysis and performance testing. Additionally, I am a passionate advocate of the functional programming paradigm, which is why **Scala serves as my primary programming language**.

With more than 5 years of experience in Scala development and over 8 years in software engineering, I bring all benefits of this expertise to my work. Furthermore, I possess proficiency in Java 8 and Python 3+, which I utilized extensively before transitioning into the world of functional programming, where I can work without the inconvenience of NullPointerExceptions and mutable objects.

I have hands-on experience in designing and analyzing distributed microservice systems. In previous roles, I demonstrated leadership by guiding junior developers, conducting interviews, and conducting comprehensive code reviews. I possess a genuine enthusiasm for learning new design patterns and development approaches. I am always open to feedback and embrace new technical challenges as opportunities for growth.

ENGINEERING EXPERIENCE

Different software development roles

May 2017 - Present

RingCentral

- Developed backend solutions for scalable engineering applications
- Played a key role in planning and implementing the architecture, with a focus on the microservice approach and provisioning integration REST APIs for clients
- Acted as the primary contact for maintaining, troubleshooting, and providing support for existing microservices in production and staging environments
- Mentored and guided new engineers, conducted thorough code reviews, and actively contributed to system architecture design decisions.

Senior Scala Developer

Dec 2021 - Present

RingCentral, Georgia

Development of Release Management Portal for RingCentral internal use.

- Developed from scratch backend for company resource management tool for 8k+ global workforce and successfully released it to production, helped with the users onboarding
- Developed multiple reporting tools for top management, seamlessly integrated into the main product, enabling the generation of essential reports for quarterly, yearly, and other milestone periods that significantly impact company strategy
- Enhanced the backend microservice architecture by implementing cutting-edge design patterns, resulting in improved product performance and optimized infrastructure utilization
- Assisted engineering newcomers in team onboarding, provided code reviews and knowledge sharing to keep the team on the same page
- Technologies highlights:** Scala, Kafka, PostgreSQL, MongoDB, Docker, K8S, GitLab CI.
- Scala stack:** ZIO, Cats, Google Protobuf/RPC, Kafka streams, Zio-Websockets, Quill, Doobie, Circe, Tapir, HTTP4S, ZIOHttp

Scala Developer

Jun 2019 - Dec 2021, 2 years 6 months

RingCentral, Russia, Saint-Petersburg

- Refactored monolith backend service to a microservice approach using the new main library: from Akka to ZIO. As a result, new feature delivery speed increased, product maintenance was simplified and takes less time, the backend was prepared for migration to k8s
- Developed from scratch separate web socket backend microservice that helps to receive and deliver notifications from/to end users
- Introduced multiple new microservices implemented based on a new functional library (ZIO) and successfully integrated them into existing architecture
- As a primary developer, supported initial migration of infrastructure of test environments to k8s that gave all the benefits of containerization
- As a primary developer, supported automation test engineers' requests that help to increase automated integration tests coverage and reduce regression testing time.

Scala Developer

Jun 2019 - Dec 2021, 2 years 6 months

RingCentral, Russia, Saint-Petersburg

- Refactored monolith backend service to a microservice approach using the new main library: from Akka to ZIO. As a result, new feature delivery speed increased, product maintenance was simplified and takes less time, the backend was prepared for migration to k8s
- Developed from scratch separate web socket backend microservice that helps to receive and deliver notifications from/to end users
- Introduced multiple new microservices implemented based on a new functional library (ZIO) and successfully integrated them into existing architecture
- As a primary developer, supported initial migration of infrastructure of test environments to k8s that gave all the benefits of containerization
- As a primary developer, supported automation test engineers' requests that help to increase automated integration tests coverage and reduce regression testing time.

Performance Testing Engineer

May 2017 - Jun 2019, 2 years 2 months

RingCentral, Russia, Saint-Petersburg

Programming languages: Java and Python

- Developed performance testing client for testing of RingCentral collaboration product as a part of the performance regression cycle.
- Involved in the development of a performance testing library that provided functionality for performance test load profile control and test results collection
- Involved in the development and maintenance of the Performance Testing Reporting System that was used as a primary tool for all performance reports in the company



Ivan Romas

Senior Scala Developer
San Diego, CA

America/Los Angeles Timezone

romasivan@gmail.com

<https://iv-ro.github.io>

<https://www.linkedin.com/in/ivan-romas>

Resume PDF

LANGUAGES

Russian (Native)

English (Professional)

SKILLS HIGHLIGHTS

SCALA

- ZIO
- Protobuf/RPC
- Quill / Doobie
- Circe
- Tapir
- Http4S, ZioHttp
- Cats
- Akka, AkkaFSM (long ago)

EXPERIENCED

- PostgreSQL
- MongoDB
- Kafka
- Docker

SKILFUL

- K8S
- GitLab CI
- Python
- Java
- RocksDB

HAD EXPERIENCE WITH

- AWS
- Redis
- Cassandra
- Django
- JUnit

INTERESTS

Climbing

Running

Cooking

- Automated performance testing: analyzed tested system, prepared and implemented test scenarios using performance testing automation tools
- Executed and analyzed performance test sessions of business products
- **Technologies highlights:** Java, Python, Django, Bash, PostgreSQL, MongoDB, Redis, jMeter, TestNG

Automation Engineer

Nov 2016 - May 2017, 7 months

JSC OKAN, [Russia, Saint-Petersburg](#), <https://okan.ru>

Developed an internal engineering system that automated the manufacturing process of valves for nuclear power plants

Research Engineer

Sep 2014 - Nov 2016, 2 years 2 months

Healbe LTD, [Russia, Saint-Petersburg](#), <http://healbe.com>

- Developed software algorithms prototypes for Healbe Fitness Sensor: solving data mining and motion recognition problems
- Tested and adjusted Fitness tracker motion recognition and calories consumption algorithms
- Prepared and conducted laboratory experiments with wearable sensors
- Handled and processed experiments' results statistics



EDUCATION

Masters in Information Systems and Technology

2014 - 2016

Saint Petersburg State Electrotechnical University, [Russia, Saint-Petersburg](#)

Graduated with honors, average score 4.95 out of 5

Bachelor of Bioengineering Systems and Technology

2010 - 2014

Saint Petersburg State Electrotechnical University, [Russia, Saint-Petersburg](#)

Graduated with honors, average score 4.75 out of 5