

John Doe

Email: johndoe@gmail.com LinkedIn: [johndoe](#) GitHub: [johndoe](#)

SUMMARY

Software Engineer with 2+ years of experience specializing in backend development in cloud infrastructure and distributed systems. Looking for Software Engineer positions, passionate about distributed systems and large scale infrastructure.

EXPERIENCE

Omozone — leading e-commerce platform in Wonderland [↗](#)

Remote / Tamarama, Wonderland

- *Software Engineer at Object Storage Team*

Mar 2022 — Present

[Go](#) [S3](#) [ScyllaDB](#) [Ceph](#) [Kubernetes](#) [Nginx](#) [Distributed Systems](#) [Databases](#)

- Implemented **fault-tolerant leader election** using [Raft's](#) implementation from [etcd](#) library [↗](#) that helped to perform a wide range of operations like data synchronization that only one node in the system should perform
- Automated the process of checking and synchronization of access control lists for S3 storages by patching open-source rclone migration tool that sped up the bucket migration process from one cluster to another
- Designed and delivered the microservice that collects statistics on the latest user activity and limits traffic for users that load the gateways the most to avoid downtime for other users

Shchmoogle — largest technology company in Wonderland [↗](#)

Tamarama, Wonderland

- *Software Engineer at Advertising Agency Accounts Team*

Jul 2021 — Mar 2022

[Go](#) [Python](#) [Docker](#) [asyncio](#) [RabbitMQ](#) [Celery](#) [Databases](#)

- Avoided unnecessary service re-deployments and reduced the time of metadata editing for the revenue calculators a few times by migrating all metadata from raw strings in the code to the real-time config
- Provided timely updates to access rights by automating the process of manual access rights granting and revoking by implementing [Celery](#) task that periodically replicates changes from different sources to the local database

- *Software Engineer Intern at Data Transfer Team*

Nov 2020 — May 2021

[Go](#) [C++](#) [SQL](#) [Databases](#)

- Implemented client and resource management side functionality to set limits on RAM for end-to-end transfers that allowed to manage resources more flexibly, **saved 800 GB of RAM usage** in total, and helped to survive the data center outage
- Delivered a tooltip to help users set the optimal limits for new transfers by gathering data over the past months, parsing it and calculating the average RAM usage for all types of transfers
- Added new types of transfer sources and destinations by implementing a driver for the local [MapReduce](#) system in [Golang](#)

SKILLS

Languages: Go, Python, Kotlin, Java, C++, SQL

Frameworks & Tools: asyncio, Ktor, Spring, Docker, Kubernetes, RabbitMQ, Celery, MongoDB, Grafana, Prometheus

EDUCATION

- **Bachelor of Science in Computer Science, Hogwarts School of Witchcraft and Wizardry [↗](#)**

Thesis: Performance Analysis of Broadcast Algorithms in Systems with Byzantine Failures [↗](#)

Relevant coursework: Operating Systems, Concurrent Programming, Distributed Systems, Databases, Software Design

PROJECTS

- **Trending and relevant hashtag finder for TikTok and Instagram [↗](#)**

[Kotlin](#) [Spring](#) [Android SDK](#) [PostgreSQL](#)

- Created the application with the [REST API](#) server using [Spring](#) for searching relevant TikTok and Instagram hashtags
- Optimized search accuracy from **74.1%** to **87.9%** using the chi-square metric for feature selection

- **English text simplifier**

[Kotlin](#) [Ktor](#) [MongoDB](#) [Redis](#)

- Developed a web application for simplifying English texts by replacing complex words with synonyms using [Ktor](#)
- Sped up the application **by 2 times** by caching frequently used words in [Redis](#) after proper comparison analysis

VOLUNTEERING / LEADERSHIP

- Co-founded [Dumbledore's Army](#) (D.A.) to teach Hogwarts students proper Defence Against the Dark Arts
- Mentored and reviewed homework assignments at [D.A.](#)'s [Golang course](#) for **300+ students**