

Yulia Nikirova

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EDUCATION

Technical University of Munich

B.Sc. in Computer Science with a minor in Economics

Relevant Coursework:

Algorithms and Data Structures, Databases, Operating Systems

Computer Architecture and Low-level programming, Formal Verification and Functional Programming

Munich, Germany

Oct 2020–Nov 2023

Saint Petersburg State University

Incomplete B.Sc. in Applied Mathematics

Saint Petersburg, Russia

Sep 2017–Sep 2019

EXPERIENCE

Google

Software Engineering Intern in Android Release Team

London, UK, Remote

Oct 2022–Dec 2022

- Contributed to the internal apps-testing management service
 - * Created an extensive design doc and reached approvals on it for every implemented feature
 - * Proposed and integrated A/B testing framework into it
 - * Suggested UI changes for a better user experience
 - * Launched an additional display window with the features in development retrieved from A/B framework
 - * Redesigned the single app individual page by adding release information in it
 - * Conducted the tests for both front- and backend
- Integrated team release process into the feature release tracker
 - * Designed an automated creation of a CL with a launch config, documented it in a design doc
 - * Communicated the design with the team that owned the tracker, achieved approval for changes in their code base
 - * Implemented the gateways for interacting with different services, e.g. version control system
 - * Completed the logic for the creation and enhanced it into the release process, manually tested it
- Presented the internship work to the team

Technologies: Java and Async in it, Guice, Typescript, Closure Templates, Go, Protobuf

Spotify

Backend Engineering Intern in the Data Collection Infrastructure Team

Stockholm, Sweden, Remote

Jun 2022–Aug 2022

- Implemented a daily job to create Jira tickets for Google Cloud metrics upon a threshold
- Automated the migration to a declarative approach and creation of Google Cloud Monitoring Dashboards
- Initiated the experiment of unifying two data processing pipelines
 - * Established and implemented the unification of the pipelines
 - * Launched the additional pipeline to verify the result
 - * Measured and compared the performance before and after
 - * Summarized the results in the documentation

Technologies: Python, Java, Scala, Scio, Bash, Docker, Google Cloud Platform

JetBrains

Software Engineering Intern in the Space Planning Team

Munich, Germany

Mar 2022–Jun 2022

- Owned the feature of customisable issue cards on a planning board
 - * Collected the requirements and discussed the design with the designer
 - * Designed the database and backend changes and implemented them
 - * Created the UI according to design
 - * Covered the code with the tests

Technologies: Kotlin Multiplatform Framework, Exposed SQL, React

Hörmann Digital

Working Student Software Developer

Munich, Germany

Apr 2021–Feb 2022

- Contributed to the Predictive Maintenance Project
 - * Visited the factory and communicated with the workers regarding the metrics collected from sensors
 - * Implemented a raw binary to CSV converter for sensor data and deployed it to AWS
 - * Developed a GPU parallel computing algorithm, which accelerated data metric processing by 20 times
 - * Gave a tech talk to the team regarding parallel computing with CUDA
 - * Proposed and created a single-page application for graphical data visualization
- Created a backend API for the factory people management application
 - * Collected and discussed use cases with colleagues
 - * Designed and developed an API-First backend using OpenAPI
 - * Deployed it on AWS
- Participated in the company's hackathon
 - * Launched the prototype of a Plant Care System in Arduino

Technologies: Python, Vue.js, C, Numba, AWS

LANGUAGES

- **English:** Fluent
- **German:** Advanced