

# Aleksei Surkov

## Prog. Languages

Java  
Python  
Bash

## Technologies

Agile  
JUnit  
IP Networking  
Oracle, MySQL, Mongo

## Tools

Docker  
Git  
Linux  
Android SDK

## Work Experience

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Jan 2021 – May 2021      **Software Developer / Apiverte - Ottawa, ON**

- Developed an android data management application for a beekeeping company
- Prepared technical documentation for the customer (Software Requirements Specification, Deployment Guide)
- Integrated client side of the application with remote server
- Provided customer walk-through over implemented functionality at the end of each sprint

Jan 2020 – Aug 2020      **Customer Application Engineer / Nokia - Ottawa, ON**

- Reproduced complex customer problems in the lab environment. Escalated trouble tickets to design team and delivered the fix to a customer. Developed detailed reports for R&D escalations
- Developed automation scripts using Bash
- Deployed NSP software to servers and restored customers DB on it
- Setup and CLI configuration of VLL (Virtual Leased Lines) services, simulated routers and nodes

## Education

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2018 – 2021      **Ontario College Diploma – Computer Programming**  
Algonquin College – Ottawa, ON

2014 – 2018      **Bachelor of Applied Science – Chemistry, Physics, Mechanics of Materials**  
Samara State Technical University – Samara, Russia

## Technical Projects

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### *Data Management Tool for Beekeepers*

- Built scalable client-side architecture using MVVM and DAO design patterns
- Implemented CRUD functionality to input and manipulate inspection data
- Utilized various Android Jetpack libraries (Room, RxJava)

### Canada Covid-19 Management Tool

- Developed a data analytics tool using Pandas library and MVC framework
- Connected and configured CRUD functionality on MySQL database

### TickerMaster Event Search App

- Integrated Ticketmaster Discovery API
- Setup SQLite database to store parsed JSON data
- Performed testing on the android emulator and mobile device

## Hobbies and Interests

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Machine learning, Mobile Development, 5G, IoT, Biology, Neuroscience, Tennis, Basketball

*References available upon request*