Ivan Melnikov

Software Engineer
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Experience

Android Software Engineer | Bose Corporation | February 2018 - present
- Designed, implemented, and maintain features for Bose Music used by hundreds of thousands of users
- Decreased build times from 30 to 15 minutes by optimizing the Gradle build logic
- Lead weekly Android huddles with over 50 developers on the topics of joint code reviews, architecture, and best practices
- Architected and maintain CI/CD pipeline which services hundreds of testers, and thousands of customers of Bose Music

Web Platform Engineer | Bose Corporation | June 2017 - February 2018
- Redesigned the device tray and now playing screen, used by millions of SoundTouch customers during a UI revamp
- Designed and deployed an internal tool used by hundreds of testers to obtain latest application builds
- Created data visualization dashboard from millions of anonymous feedbacks to provide useful marketing insights

DevOps Engineering Intern | Amadeus IT Group | June - August 2016
- Created bot service to communicate with dozens of production environments
- Integrated capabilities into service to query statuses, and deploy new configurations

Android Engineering Intern | Amadeus IT Group | June - August 2015
- Implemented Android application for tracking travelers on their way to airports
- Ran internal trials with dozens of users to test functionality, and simulate arrival times
- Provided the means to allocate resources in accordance to late/on-time travelers via a web application

Education

Worcester Polytechnic Institute | August 2013 - May 2017
- B.S. Computer Science
- B.S. Physics, concentration in Nuclear Engineering

Credentials

Google Certified Associate Android Developer | February 2019
Certification ID: 2507

Generation IV nuclear reactor design, WPI thesis | September 2016 - May 2017
Designed a novel, room-sized, neutron reactor for academic and medical purposes. Proposed passive safety features against meltdowns and proliferation. Achieved simulated flux several orders of magnitude greater than traditionally-sized reactors. Publication ID: E-project-042717-093803

Foisie Innovation Studio design, WPI IQP | September 2015 - May 2016
Collaborated with key stakeholders like the WPI Deans, President, investors, and architects to design a multistory innovation studio on campus. The building currently serves thousands of students at the center of the university. Publication ID: E-project-050316-120247

Languages
Russian
English
French
Italian
Latin

Technical
JavaScript
Python
C/C++
Kotlin
WSS
Java
BLE
SPP

Frameworks
Metasploit
OKHTTP
Dagger2
RxKotlin
NodeJS
Retrofit
VueJS
Nginx
Koin

Frameworks
Android Studio
IntelliJ IDEA
Adobe CC
Kali Linux
Git