Ivan
Melnikov

Software Engineer
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Experience

Android Software Engineer | Bose Corporation | February 2018 -
  - Decreased build times from 30 to 15 minutes by optimizing the Gradle build logic
  - Designed, implemented, and maintain features for Bose Music used by hundreds of thousands of users
  - 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 | May - 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 | May - 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
Certification ID: 2507

Generation IV nuclear reactor design, WPI thesis
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
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 campus. Publication ID: E-project-050316-120247

Languages
Russian
English
French
Italian
Latin

Technical
JavaScript
Python
HTML5
C/C++
Kotlin
LaTeX
CSS3
Java

Frameworks
RxKotlin
NodeJS
VueJS
UIKit
D3JS
Metasploit
Nginx
Dagger2
Koin

Frameworks
Android Studio
IntelliJ IDEA
Adobe CC
Kali Linux
Git