GOCE ANASTASOVSKI

To Refactor Or Not To Refactor! That Is The Question!

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🔗 anastasovskigoce

EXPERIENCE

Mobile Video Team Lead and Android Developer

Alarm.com

📅 Mar. 2019 – Ongoing   📍 Tysons, VA

- Led a team of 8 iOS and Android Engineers. Responsibilities include mentorship, development, planing and overseeing all video related mobile work.
- Integrated Jacoco code coverage library and started tracking test coverage, contributing to the departments goal to increase test coverage.
- Identified bottlenecks and refactored lagacy code which reduced the time it takes to load a video stream by 70%

Mobile Team Lead and Android Developer

Capital One

📅 Jul. 2019 – Mar. 2020   📍 McLean, VA

- Performed full audit of the team's existing features and manual tests.
- Automated 80% of the manual tests which reduced the teams testing time from eight to two hours.
- First team to deliver a feature with over 85% test coverage using the Model View Intent (MVI) architectural pattern.

Senior Software Engineer

Alarm.com

📅 Mar. 2014 – Jul. 2019   📍 Tysons, VA

- Led the Android team to the world of Kotlin and oversaw all work done in Kotlin.
- Directly involved in implementing the MVP pattern on the app, leading to unit testable code.
- Built a settings menu like UI framework that generates UI components and their dependencies on the fly.
- Completely refactored, eliminated code duplication and unit tested a legacy feature that controls security related IoT devices.
- Reduced code duplication by creating reusable views that improved the quality and maintainability of the Android app.
- Addressed technical debt by facilitating a maintenance schedule where each team member spent a week on code cleanup.

RELEVANT SIDE PROJECTS

Carpe Diem Android App

An app that presents motivational quotes. The app is using the MVI pattern, Retrofit, Room, Navigation Component, Notifications, WorkManager, Broadcasting, LiveData and is written in 100% Kotlin.

Motivational Quotes Spring Boot REST API

A REST API that can CRUD motivational quotes stored in a Mongo Database.

EDUCATION

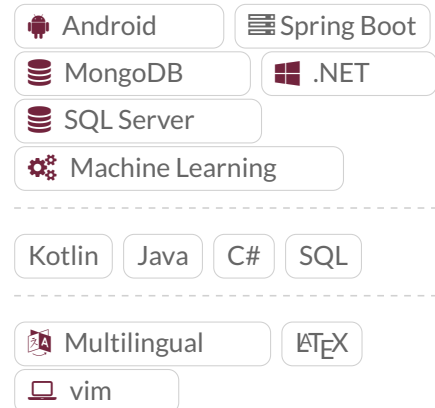### M.Sc. in Computer Science

West Virginia University

📅 Aug. 2011 – Dec. 2013

B.Sc. in Computer Science and Electrical Engineering

Saints Cyril and Methodius University of Skopje

📅 Sept. 2006 – Jun. 2010

STRENGTHS

- 🤖 Android
- 📊 Spring Boot
- 🗄 MongoDB
- ⊞ .NET
- 🗄 SQL Server
- ⚙ Machine Learning

- Kotlin
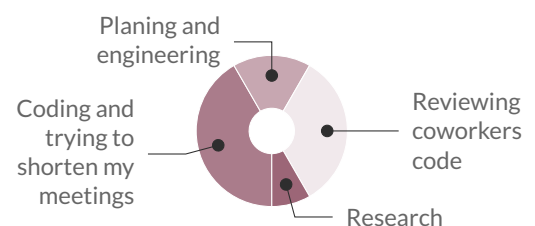- Java
- C#
- SQL

- 🅰 Multilingual
- LaTeX
- 💻 vim

TECHNICAL TALKS

Code Review, A Software Engineer's Best Friend

Talk is focused on the importance of code reviews and the affect they have on engineers in different stages of their career

- DC Android Meetup July 15, 2020
- iOSDevCamp UK 2021
- PyCon Sk 2021

MY WORK DAY

- Planing and engineering
- Reviewing coworkers code
- Research
- Coding and trying to shorten my meetings

PUBLICATIONS

📄 Journal Articles

- Goseva-Popstojanova, K. and G. Anastasovski et al. (2014). "Characterization and classification of malicious Web traffic". In: *Journal of Computer & Security*.

👥 Conference Proceedings

- Anastasovski, G. and K. Goseva-Popstojanova (2014). "Classification of Partially Labeled Malicious Web Traffic in the Presence of Concept Drift". In: *The IEEE 8th International Conference on Software Security and Reliability-Companion (SERE-C), San Francisco, USA, June 30 - July 2, 2014*. CA, USA: International Institute of Informatics and Systemics.

- Goseva-Popstojanova, K. and G. Anastasovski et al. (2012). "Using Multiclass Machine Learning Methods to Classify Malicious Behaviors Aimed at Web Systems". In: *23rd IEEE International Symposium on Software Reliability Engineering (ISSRE)*. TX, USA.

- Goseva-Popstojanova, K. and G. Anastasovski (2012). "Classification of Malicious Web Sessions". In: *21st International Conference on Computer Communications and Networks (ICCCN)*. Munich, Germany.