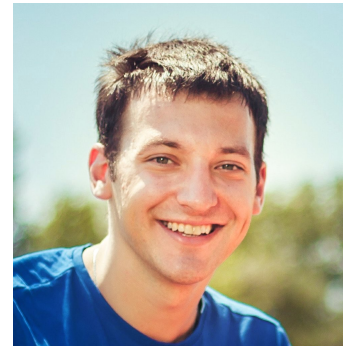


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# Viktor Malyi



## Personal Details

**Date of birth:** 04/30/1987

## Professional Experience

### **xbird GmbH**

**11.2019 - present time**

**<https://www.flavia-app.de/>**

Certified medical product for diabetics currently in the stage of DIGA approval. Created to simplify the management of type 2 diabetes by tracking important relevant events and providing educational content. Available on iOS and Android platforms.

- Led the mobile engineering team worked on Flutter app from the concept to the market start in Germany.
- Organized the development workflow inside of the mobile team including planning, bug reporting and interaction with the product team.
- Designed and maintained the app release pipeline on all platforms.

*Used programming languages, frameworks, technologies:*

Flutter, Dart.

### **Automated Activity Detection iOS SDK**

Designed to automatically track user's physical activity based on sensor data and communicate to the server.

- Delivered multiple core features to the app showcasing the SDK.
- Migrated Objective-C SDK implementation to Swift.
- Increased the test coverage by 25%.

*Used programming languages, frameworks, technologies:*

iOS, Swift, iOS framework.

## **Personal project**

**12.2018 - present time**

### **I Have Voice app (<https://ihavevoice.app>)**

The iOS/Swift app allows people with motor neuron disease to interact with a smartphone by just using eyes.

- Implemented eye-tracking algorithm based on iPhone True Depth camera to track user's eye position and calculate the position of the cursor on the screen.
- Designed text input prediction model used in the screen keyboard to simplify text input.

*Used programming languages, frameworks, technologies:*

ARKit, Texture, Realm.

## **Personal project**

**01.2017 - 01.2020**

### **AutoWorkout app (<http://autoworkout.app/>)**

The iOS/WatchOS app (Swift) that tracks workouts automatically. It recognizes fitness exercises, calculates exercise time and provides detailed statistics for each exercise with the help of multiple neural networks fed with sensor data from Apple Watch.

- Developed end-to-end data preparation pipeline (Python).
- Implemented 10-class human activity classifier based on deep feedforward neural networks (F1: 92%).
- Developed a voting algorithm which increased overall model performance by 8%.
- Integrated classifier into Apple Watch app.

*Used programming languages, frameworks, technologies:*

Tensorflow, Keras, CoreML, Turi Create, Pandas, Jupyter, Sketch, Fastlane.

## **iOS Developer, Garmin Würzburg GmbH, Würzburg (Germany)**

**01.2016 - present time**

Worked on several native and hybrid iOS companion apps (Objective-C, Swift, C++) with heavy BT/BLE usage. Worked on Connect IQ app.

- Decreased app crash quote by 21%.
- Increased unit test coverage from 0% to 52%.
- Designed and implemented company-wide mobile app localization workflow including tooling.
- Took full responsibility to design and implement several core app features.

- Built automated app testing and delivery pipeline.
- Conducted OWASP security audit in the project.

*Used programming languages, frameworks, technologies:*

Dropbox Djinni, Quick, Nimble, Specta, Expecta, XCTest, Fastlane, AppCode, Xcode, Sketch, CocoaPods, Carthage.

## **Software Engineer in Test, Garmin Würzburg GmbH, Würzburg (Germany)**

**11.2012 bis 01.2016**

Worked on test infrastructure, test design and implementation for automotive navigation solutions.

- Designed and implemented automated deployment workflow for test environments.
- Designed and implemented automated performance testing framework.
- Implemented an automated test framework (Python).
- Implemented majority of automated test scripts (Lua).

*Used programming languages, frameworks, technologies:*

Vagrant, Ansible, Android ADB, JMeter, Cobertura, Git, Gerrit, Ant, Apache, HP Quality Center, Doxygen.

## **Software Testing Engineer EPAM Systems, Dnipro (Ukraine)**

**09.2010 - 11.2012**

Worked in CMS web applications domain as software testing engineer, then promoted to test team lead.

- Mentored 2 QA engineers.
- Hired 6 QA engineers.
- Manager the team of 10 QA engineers.
- Coordinated QA activities of 3 high-scale web applications (Java, Adobe Day CQ5, CRX, MongoDB)
- Participated in 3 pre-sales activities as a responsible stakeholder for quality issues.
- Improved test processes (TPI Next).
- Coordinated development of an automated testing framework.

*Used programming languages and technologies:*

Amazon AWS, JBehave, Robot Framework, Selenium 2, TestNG, Tomcat, Maven, Team City, Git, SVN, JMeter.

## **Junior Software Testing Engineer Proxistep, Dnipro (Ukraine)**

**09.2009 - 09.2010**

Worked as a solo test engineer responsible for testing web applications in the insurance domain.

- Delivered 2 web applications with complex business logic (PHP, Django)
- Formalized testing activities on the company level.

*Used programming languages and technologies:*

MySQL, Selenium IDE, Fiddler.

## Related Experience

### **Guest Lecturer**

**Hochschule für Angewandte Wissenschaften Würzburg-Schweinfurt (Germany)**  
**05.2014**

Lecture „What is software testing?“

### **Guest Lecturer**

**ISTQB.in.ua, Dnipro (Ukraine)**  
**05.2014**

Various lectures for ISTQB FL Certification preparation course.

**Co-Founder, QA Dnipro Community, Dnipro (Ukraine)**  
**05.2010 - 10.2012**

- Raising local community of Software Testing Engineers
- Organizing meet-ups
- Organizing first software testing conference in Dnipropetrovsk

## Open Source Projects

**adb\_android** (Python Library for Android adb)

[https://github.com/vmalyi/adb\\_android](https://github.com/vmalyi/adb_android)

**Localization** (Fastlane Plugin for Export/Import of XLIFF files)

<https://github.com/vmalyi/fastlane-plugin-localization>

## Education

**Nacional'na Metallurgijna Akademija Ukraini, Dnipro (Ukraine)**  
**09.2009 - 10.2012**

Master, Computer science, Industrial automation

## **Nacional'na Metallurgijna Akademija Ukraini, Dnipro (Ukraine)**

09.2004 - 10.2008

Bachelor, Computer science, Industrial automation

## **Conference Talks**

2014 – „How not to run a Code Review“ @XPDays Ukraine

2012 – „What I’ve learned from my mistakes as Test Coordinator“ @ITBrunch Conference

2012 – „TPI® Next: test process optimization“ @SQADays Moscow

2011 – „Testing like a Guru – crowdsource testing communities“,  
„Use Cases VS User Stories“ @QA Dnepropetrovsk Community meet-ups

## **Language Skills**

English – fluent

German – fluent

Russian – native language

Ukrainian – native language

## **Miscellaneous**

2011 – Member of Agile Base Camp Program Committee

2012 – Ambassador and Stage Chair, Agile Testing Days 2012

## **Social Networks Profiles**

**Xing:** [https://www.xing.com/profile/Viktor\\_Malyi](https://www.xing.com/profile/Viktor_Malyi)

**Linkedin:** <https://de.linkedin.com/in/viktormalyi>

**Kaggle:** <https://www.kaggle.com/vmalyi>

**Medium:** <https://medium.com/@vmalyi>

**StackOverflow:** <http://stackoverflow.com/users/1254211/viktor-malyi>

**Github:** <https://github.com/vmalyi>

**Slideshare:** <http://de.slideshare.net/vstratus/>