

Rodrigo Bresan

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Technical

Proficient	Android (<i>Activities, Fragments, Services; Java, Kotlin with coroutines, RxJava, Retrofit, Dagger, MVVM/MVP/MVC, persistence with Room, SQLite, Realm, Firebase; Material Design, testing with TDD, JUnit, Espresso, Mockito; Fabric</i>), Python (<i>scripting and REST APIs with Flask and Django</i>), Git, CI (<i>Jenkins, Travis</i>), Design Patterns, and last but not least: writing clean and readable code
Exposure	React Native, Flutter, Node.js, C, C#, C++, Web (HTML, CSS, PHP), SQL, Data Visualization (dimension reduction, clustering), classifiers (SVM, RFS), ConvNet, Computer Vision

Experience

Android Developer **June 2016 to present**

Freelancer

- Application for tracking truck drivers, handling critical conditions (network, caching strategies, battery)
- Health-related application to allow interactions between patients and doctors using Firebase
- Apps for Brazilian and European market reaching over 3.000.000 users
- Reduced major memory leaks on diverse clients applications, resulting in better overall user experience

(Volunteer) Researcher on Machine Learning and Biometrics **January 2018 to present**

Federal Institute of São Paulo (IFSP) and UNICAMP/RECOD (Reasoning for Complex Data)

- Solutions for detecting attacks on biometric systems using Machine Learning and Computer Vision
- Analysis of Android sensors to create a fingerprint for a given user based on its gait movement pattern

Android Developer **May 2016 to December 2017**

Cleevio, Prague

- Configuration of Continuous Integration (Travis CI) tools to allow faster release cycles
- Setup of static analysis tools (CheckStyle, PMD, FindBugs), reducing code-related bugs
- Adoption of TDD practices for unit (JUnit) and instrumented (Espresso) tests reducing overall issues
- Major integration with payment gates and in-app billing services
- B2C application to deliver packages over Europe (similar to Uber)
- Social network for job listing (similar to LinkedIn) on Asian market

Android Developer **January 2014 to June 2015**

Movile, São Paulo

- Working with Brazilian carriers building native Android apps for over 5.000.000+ users

Education

Federal Institute of São Paulo **January 2015 to December 2018**

Technologic Degree on Analysis and Development of Computer Systems

- Extra curricular classes on Data Science and Artificial Intelligence (using ML frameworks like Keras)