

João Frederico Gregory Birk

Contacts

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Profile

Proactive, autodidact, dynamic, creative, flexible and reliable.

Skills

Kotlin, Swift, Java, Objective C, Coroutines, RxJava, Android, iOS

Language Skills

Idiom: Portuguese

Level: Native

Idiom: English

Level: Advanced

Idiom: Spanish

Level: Intermediate

Academic Background

Pontificia Universidade Católica do Rio Grande do Sul - PUCRS

Information Technology

Concluded in: 06/01/2007

Colégio Anchieta

High School

Concluded in: 12/01/2001

Certifications

Sun Certified Java Associate (SCJA)

Sun Certified Java Programmer (SCJP)

Sun Certified Mobile Application Developer (SCMAD)

Sun Certified Web Component Developer (SCWCD)

Sun Certified Business Component Developer (SCBCD)

Sun Certified Developer for Java Web Services (SCDJWS)

Sun Certified Enterprise Architect (SCEA)

Teacher

Teacher at Senac-RS
05/2010 - 10/2011 (1 yr 6 mo)

Ministered Course: Development of object oriented enterprise applications.

Instructor

Target Trust's Instructor
07/2008 - 10/2011 (3 yrs 4 mos)

Ministered Courses: Object Oriented Programming, Java Fundamentals, Advanced Java, Basic Java Micro Edition (J2ME) and Advanced Java Micro Edition (J2ME), JSP, JPA and JSF.

Writer

Java Magazine
11/2010 - 10/2011 (1 yr)

Speeches

Developing solutions with Android

Target Trust - 03/09/2010

Developing solutions with Android

JUGDay 2009 (promoted by RSJUG) - 10/24/2009

The Java ME World and its most important Frameworks and Tools

JavaOne - 12/09/2010

Publications

The desired SCWCD

Java Magazine - 02/01/2011

The article is about the SCWCD exam. It provides information about the content of the test, care that should be taken to avoid the traps of the exam. At the end of each section, we present issues similar to those you can find on the exam.

<https://www.devmedia.com.br/a-cao-sonhada-scwcd-parte-1-java-magazine-88/19271>

<https://www.devmedia.com.br/a-cao-sonhada-scwcd-parte-2-revista-java-magazine-89/20152>

Professional Background

Cash App - Block Inc.

06/2021 - Current

Senior Staff Software Engineer

Responsible for architect, develop and support features on the Cash App Android application across the entire organization. Develop documentation, runbooks, features and I also help support other open source projects within the company (Molecule, Paparazzi).

Lead important initiatives such as:

- Migration from RxJava to Coroutines: brought the entire org onboard, supporting all types of engineer levels. To keep engineers engaged I created a prize program with support from Jack (CEO) and a handwritten letter from him. Ministered Coroutines course for the entire company (Block wide).
- Improved deeplink workflow for the entire mobile organization by creating tools that perform code generation based on yaml files. No more human interaction needed when a new deeplink needs support. Reduced bugs and SEVs.
- Created a CLI tool that interacts with our feature flag system, making it easy for engineers to create/update/manipulate feature flags. The tool took the complexity away and also generates code for iOS and Android apps to interact with such systems. No more manual interaction. Reduced bugs, improved development speed and reduced SEVs.
- Developed the first full Compose feature (sending/receiving money from recipients - P2P). Also helped several teams to migrate from XML based views to Compose.
- Fixed a contact-sync issue that was present for almost 3 years in the app. After the fix cloud costs reduced by 12,000 dollars a month.
- Develop an Android Studio plugin to improve developer speed by creating skeletons for modules, presenters, views, tests classes. Users can now create views by drag-and-dropping elements in the IDE using the correct design system in place.

Yahoo

01/2019 - 05/2021 (2 yrs 7 mos)

Senior Engineering Manager and Engineer Lead

Responsible for architecting and developing features on the Yahoo Finance Android application. I was managing our team of 7 people (2 junior, 1 mid and 4 senior developers). I was a member of the *Mobile Excellence Council* which is responsible for making decisions about the mobile org within the company. During my time at Yahoo Finance these were the projects that had the biggest impact:

- Rewritten the entire app in Kotlin while still supporting the product with new features. From a single module app to 20 modules that were reused by other apps.
- With the rewrite 2 more apps were developed by reusing code: TV app and Instant App. The Instant App brought 400,000 new users in 6 months.
- Crash free sessions rate went from 90% to 99.8%. Cold start went from 5s to 400ms. Star rating from 3.8 to 4.7.

- Gave several speeches during company-wide internal conferences about the success of Yahoo Finance and how we could replicate such success to other products.
- Served as reference to other teams (Yahoo Mail, Yahoo Sports, Yahoo Weather, etc) and supported them to have the same success.
- Improved Ads SDK, fixed wrong metrics and revenue issues which were used by the entire company.

Yahoo

08/2018 - 12/2018 (6 mos)

Principal Android Developer and Engineer Lead

Responsible for architecting and developing features on the Yahoo Finance Android application. Interact with designers and product teams to build the best user experience for our users. I'm also the team leader, assigning tasks and helping our team members to be the best they can.

Meetup

07/2017 - 07/2018 (1 yr 8 mos)

Senior Android Developer and Engineer Lead

Responsible for architecting and developing features that improve the way users find the right Meetup for them and when they find it how to know is the right one for them (Discovery Team). The Android team was split into different teams and each one took care of different parts of the app. On my team I acted as a developer and mobile engineer leader acting as the bridge between project manager, design, product teams and engineers.

TriPlay Inc.

01/2013 - 07/2017 (4 yrs 7 mos)

Senior Team Lead

Responsible for architecting and developing the company's mobile applications using different platforms and frameworks. Responsible for managing the mobile team, adopting and implementing methods of work in order to grow the team productivity.

TriPlay Inc.

01/2012 - 12/2012 (1 yr)

Senior Software Engineer

Responsible to architect and develop both mobile applications of the company (eMusic - www.emusic.com and eStories - www.estories.com) using different platforms and frameworks: iOS SDK (CoreData, AVFFramework, etc), Android SDK, Tizen OS, BlackBerry SDK, Windows Phone, J2ME and LWUIT.

TNT

03/2010 - 12/2011 (1 yr 10 mos)

Senior Software Engineer

Architect and developer of mobile applications using Android SDK, iOS SDK and JavaME.

Hospital de Clínicas de Porto Alegre (HCPA)

10/2009 – 03/2010 (6 mos)

Senior Software Engineer

Developer in a migration project from Oracle-PL/SQL to Java-PostgreSQL using JBoss Seam, jQuery, JSF, EJB and RichFaces.

SoftDesign-RS

Senior Software Engineer

04/2008 – 10/2009 (1 yr 7 mos)

Developer of the customer care application using Oracle database, PL/SQL, Struts, Spring, JSF, ICEFaces, Weblogic, JSP, CSS and JavaScript.

Trevisan Tecnologia

Senior Software Engineer

04/2004 – 03/2008 (4 yrs)

Developer of mobile and embedded applications using J2ME, LWUIT, Symbian and BlackBerry SDK.

Compasso

Software Engineer

09/2002 – 04/2004 (1 yr 8 mos)

Developer in the company's corporate system using JavaEE, PL/SQL, Struts, Oracle database and OC4J.