

Michele Bonazza

Curriculum Vitae (Last updated: May 2024)

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Current position

- Jan2024-present **Principal Engineer - Freelance**, NDA, Berlin, Germany.
I am helping a company, whose name I cannot disclose, transition their TV apps to React Native. My role involves educating engineers on the new technology, conducting code reviews, organizing pair programming sessions and workshops, and sharing my knowledge of the React Native world. Additionally, I contribute to the codebase, primarily to improve the Developer Experience and to streamline processes.

Work experience

- Feb 2021- Mar 2024 **Senior Frontend Developer**, *JustWatch GmbH*, Berlin, Germany.
Led the company's mobile team, filling in as Product Owner for the whole B2C frontend team. Rewrote the company's flagship mobile app from scratch in React Native while introducing a new Design System / component library that I built using Storybook. Previously, led the dev team maintaining the TV apps, developed in React Native + React Native Web, supporting 7 platforms. Occasionally worked on the company's web app (in Vue).
- 2017- Jan 2021 **Senior FullStack Developer**, *Urbi DE GmbH (Telepass Group)*, Berlin, Germany.
Started as a Backend Developer working on the Java Spring + AWS Lambdas application supporting the company's flagship app (a map-based shared mobility aggregator), and managing the AWS infrastructure. Moved on to develop the company's B2B dashboard (Spring Boot + Kotlin, React), and finally led the full app rewrite in React Native.
- 2016-2017 **FullStack Developer**, *Freelance*, Italy.
Designed, developed, and deployed an application to interconnect multiple monitoring systems (sensors, cameras, variable message signs, traffic lights, weather stations, ...) into a single administrative interface for highway management for an Italian company. Back-end in Python (Flask, Celery) + PostgreSQL (and Redis), front-end in React.
- 2014- Dec 2023 **CTO and Co-Founder**, *Molimur, Inc.*, Orange County, CA – remote worker.
Full-stack developer. Designed and developed both the (Java + Redis + Postgres) backend and (AngularJS) frontend of SketchTogether.com, a real-time collaborative whiteboard. Administered the company's infra, took care of design. Despite a loyal user base that allowed us to keep SketchTogether afloat after shifting our focus away from it in 2017, we decided to sunset the product in December 2023. This decision was due to the availability of more modern apps and our lack of resources to invest in the project.
- 2009-2010 **Security Consultant**, *Reply S.p.A.*, Milan area, Italy.
Administered IBM reverse proxies and Linux/AIX servers in general, administered Identity and Access Management systems, designed and developed internal J2EE applications at UBI, an Italian Financial Group.

Education

- 2011-2015 **PhD in Information Engineering**, *University of Padova*.
2012 **Short-term scholar**, *University of California, Irvine*.
2007-2009 **Master of Science in Computer Engineering**, *University of Padova*.
2002-2007 **Bachelor of Science in Computer Engineering**, *University of Padova*.

Ph.D. dissertation

- title *A workflow for melanocytic lesion evaluation*
- description Designed a workflow for melanoma (skin cancer) detection to be used by dermatologists. Designed and developed *MoleMapper*, a dermatoscopy application for Android tablets that guides doctors throughout their routine of taking pictures of the patient's skin lesions using custom dermatoscopes, automatically mapping them to a model of the patient's body, and helping them at monitoring their evolution.

Conferences and talks

- 2023-present **Program Committee member.** Currently part of the PC for *React Day Berlin* – <https://reactday.berlin>
- 2022 **Speaker.** Presented “React Native - as seen on TV” at *React Summit 22*, discussing TV apps development – <https://portal.gitnation.org/contents/react-native-as-seen-on-tv>
- 2020 **Speaker.** Presented “React Native for Android Developers” at a *Google Developer Group* meetup in Italy, introducing React Native to native Android app developers – <https://github.com/micheleb/rn4android-slides>

Personal skills and competences

Languages

- Italian **Native speaker**
- English **Fluent**
- German **Intermediate (~B2)**

Computer skills

- Programming Typescript, Python, Kotlin, Java, Javascript, React, React Native, node.js, Vue, Android development, Objective C, Swift, Bash, SQL, Redis, AWS, Google Cloud, ...
- Tools Webpack, Gradle, Maven, Ant, Jest, Jasmine, testing-library, Cypress, JUnit, Git, Gerrit, SVN, VSCode, IntelliJ IDEA, Webstorm, PyCharm, Vim, ...

Publications

- [1] F. Peruch, F. Bogo, M. Bonazza, V.-M. Cappelleri, and E. Peserico. Simpler, faster, more accurate melanocytic lesion segmentation through meds. *Biomedical Engineering, IEEE Transactions on*, 61(2):557–565, Feb 2014.
- [2] F. Peruch, F. Bogo, M. Bonazza, M. Bressan, V. Cappelleri, and E. Peserico. Simple, fast, accurate melanocytic lesion segmentation in 1d colour space. In Sebastiano Battiato and José Braz, editors, *VISAPP 2013 - Proceedings of the International Conference on Computer Vision Theory and Applications, Volume 2, Barcelona, Spain, 21-24 February, 2013*. SciTePress, 2013.
- [3] P. Bertasi, M. Bonazza, M. Bressan, and E. Peserico. Datamation: A quarter of a century and four orders of magnitude later. In *Cluster Computing (CLUSTER), 2011 IEEE International Conference on*, pages 605–609, sept. 2011.
- [4] P. Bertasi, M. Bonazza, N. Moretti, and E. Peserico. Parisync: Clock synchronization in p2p networks. In *Precision Clock Synchronization for Measurement, Control and Communication, 2009. ISPCS 2009. International Symposium on*, pages 1–6, oct. 2009.