

Gil Vegliach

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Languages:	EN, DE, IT	Stackoverflow:	http://goo.gl/shvInz

KEYWORDS: Scala, Play 2.x, SBT, Java, Spring, Maven, AWS, EC2, JSON, REST, Microservices, Android, Gradle, Dagger 2, Butterknife, Retrofit, Gson, Espresso, JUnit, GHE, Git, Jira, Agile, Scrum.

Employment

AMAZON, London, Software Engineer, July 2017–present.

- Developed and maintained software for video systems.

TOPTAL (3% admission rate), Senior Software Engineer, contractor, Apr 2016–present.

- Global Mentor, helping students from low income backgrounds to make it in the industry (<https://goo.gl/sbqDdC>).

ZALANDO (3.6B rev 2016), Software Engineer, Mobile API and Android, Mar 2015–May 2017.

- Developed first high-load mobile API micro-service in Scala, 1000+ rps.
- Decreased Android app startup time by ~65% and crash rate to <0.5%.
- Developed an automated monitoring solution for content in home and campaign pages.
- Given internal workshops on testability and mentored new developers.
- Interviewed countless developers (juniors to leads), doubling the Android team in less than 6 months.
- General developer work in Scala and Java, from requirements to delivery.

CORTADO AG, Software Engineer, Android, Jun 2013–Feb 2015.

- Prototyped and responsible for architecture of Cortado Corporate and Template.
- Implemented key components such as preview, navigation, file operations, and favorites.
- Ported and adapted Personal Printing, a print job managing app.
- Collaborated with UX and product teams to assess requirements.

NATIONAL ICT AUSTRALIA, Software Engineer and Researcher intern, Aug–Dec 2012.

- Asked back to continue previous work after excellent performance.
- Expanded on the previous prototype resulting in multiple publications.

SIEMENS, Software Engineer intern Feb–Apr 2012.

- Reduced REAgent start-up time (~40 sec) replacing Drool Fusion with ad-hoc algorithms.
- Optimized queries in Optique which resulted in a demo for external customers.

NATIONAL ICT AUSTRALIA, Software Engineer and Researcher intern, Aug–Nov 2011.

- Prototyped a solution for Android security, published at the Nasa Formal Methods Symposium 2012.

Education

M.Sc. EMCL (Computational Logic in Computer Science), TUD, FUB, TUW, 2010–Apr 2013, German mark: 1.2–Excellent, thesis mark: 1.0–Excellent; European mark: A.

B.S. Mathematics, University of Trieste, 2006–2010, mark: 110/110 cum laude.

Continuous Learning and Certifications

Oracle Certified Programmer, Java SE 5/6 (OCPJP, formerly SCJP), 28 Jun 2012, score 95%

Oracle Certified Associate, Java SE 5/6 (SCJA), 10 Jul 2010, score 86%

Big Data Analysis with Scala and Spark by EPFL on Coursera (<https://goo.gl/N8garp>), score 100%

Parallel programming in Scala by EPFL on Coursera (<http://goo.gl/mqKW03>), score 100%

Functional Program Design in Scala by EPFL on Coursera (<http://goo.gl/rrRViR>), score 100%

Functional Programming Principles in Scala by EPFL on Coursera (<https://goo.gl/vP9Kkf>), score 100%

Computational Investing by Georgia Tech on Coursera (<https://goo.gl/oM9SZg>), score 100%

Publications

The ins and outs of first-order runtime verification, 2015, with A. Bauer and J. Küstar, *Formal Methods in System Design* 46(3)

From propositional to first-order monitoring, 2013, with A. Bauer and J. Küstar, *Proc. 4th International Conference on Runtime Verification (RV)*

Runtime Verification meets Android Security, 2012, with A. Bauer and J. Küstar, *NASA Formal Methods Symposium (NFM 2012)*

Incomplete Databases: Missing Records and Missing Values, 2012, workshop paper with W. Nutt and S. Razniewski, *Data Quality in Data Integration Systems (DQIS 2012)*