# Gil Vegliach

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Github: http://github.com/gilvegliach

Stackoverflow: http://goo.gl/shvInz

Languages: EN C1+ (certified), DE B1 (certified), IT

## **Employment**

Toptal, 3% admission rate, as a Senior Software Engineer, contractor, Apr 2016-present.

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

Zalando SE,  $\sim$ 3B revenue in 2015, Berlin, as a Software Engineer, Android and Mobile API, Mar 2015–present.

- Migrated Android app to Dagger 2 decreasing startup time by 300% and crash rate to <0.5%.</li>
- o Developed first mobile API micro-service to increase agility of the team.
- o Gave internal workshops on testability and mentored new developers.
- o Interviewed junior dev to dev leads, doubling the Android team in less than 6 months.
- o General developer work in Java and Scala, from requirements to delivery.

Cortado AG, Berlin, as a Software Engineer, Android, Jun 2013-Feb 2015.

- o Prototyped and responsible for new app architecture.
- o Implemented key components such as preview and file operations.
- Collaborated with UX and product teams to assess requirements.

NICTA Canberra, Australia, as a 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 AG Munich, as a Software Engineer intern Feb-Apr 2012.

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

NICTA Canberra, Australia, as a Software Engineer and Researcher intern, Aug-Nov 2011.

Prototyped a solution for Android security, published at the Nasa Formal Method Symposium

#### 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; Italian mark: 110/110 cum laude.

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

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## Relevant IT 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%

Parallel programming by EPFL on Coursera (http://goo.gl/mqKWo3), 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%

### **Publications**

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

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)* 

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