

PERSONAL INFORMATION

Marko Ivanković (Switzerland) marko@ivankovic.me www.ivankovic.me

WORK EXPERIENCE

2016–Present

Staff Software Engineer, Tools and Infrastructure

Google, Zurich (Switzerland)

Engineering manager and technical lead in the Engineering Productivity group.

Lead two teams focused on improving the internal developer experience at Google for all Google's engineers. In particular in the areas of:

- Test coverage
- Mutation testing
- Large scale code manipulation
- Large scale code analysis
- Engineering process metrics
- Resource usage optimization

I personally conduct research into fundamentals of software engineering.

2014–2016

Senior Software Engineer, Tools and Infrastructure

Google, Zurich (Switzerland)

Technical lead in the Ads Engineering Productivity group.

Conceptualized, designed, implemented and owned core pieces of Google's developer infrastructure, in particular test coverage infrastructure.

Delivered multiple other medium scoped projects that improve productivity of various engineering subgroups.

2011–2014

Software Engineer, Tools and Infrastructure

Google, Zurich (Switzerland)

Individual technical contributor in Ads Engineering Productivity group.

Developed specialized developer infrastructure for product teams.

Developed general developer infrastructure that solved tightly scoped problems for all Google's engineers.

2010–2010

Software Engineer - Intern

Google, Zurich (Switzerland)

Load and performance testing framework including result visualization

2007–2007

IOI 2007 - Evaluation Committee

International Olympiad in Informatics, Zagreb (Croatia)

2007–2011 **Croatian Open Competition in Informatics - Scientific Committee**
Hrvatski Savez Informatičara, Zagreb (Croatia)

EDUCATION AND TRAINING

2010–2011 **Master of Science** EQF level 7
University of Zagreb - Faculty of electrical engineering and computing, Zagreb (Croatia)
Thesis: Software framework for performance benchmarks of cross-context communication systems for Web browsers

2007–2010 **Bachelor Of Science** EQF level 6
University of Zagreb - Faculty of electrical engineering and computing, Zagreb (Croatia)
Final Project / Thesis: *Library for RPC calls over HTTP protocol between web browsers*

PERSONAL SKILLS

Mother tongue(s) Croatian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
German	B2	B2	B1	B1	B1
Russian	A1	A2	A1	A2	A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills ■ Formally trained in debating

Organisational / managerial skills ■ Experience managing other managers

ADDITIONAL INFORMATION

Conferences State of Mutation Testing at Google (ICSE 2018 - SEIP)

Conferences An Industrial Application of Mutation Testing: Lessons, Challenges, and Research Directions. (ICST - Mutation 2018)

Conferences Analyzing statement coverage at Google (Swiss Testing Day 2015)

Patent Process for displaying test coverage data during code reviews (US Pat. No. 9,405,662)

Competition Certificate of achievement at ACM Central European Programming Contest:
■ Budapest, Hungary (2006.)
■ Prague, Czech Republic (2007.)
■ Wrocław, Poland (2009.)

Competition Silver medal at the IOI 2006

