

Robert Kozikowski

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Experience

Jan 2014 - **Google**, *Software Engineer*, London, Java, Python.

Now Android Google Search

- Logs and data analysis - Collected, processed and analyzed petabytes of data. Built continuous data processing pipelines spanning thousands LOC and ingesting 30+ TB per day. Created dashboards and analysis tools. Used stats and ML.
- Performance and reliability - Improved the android app latency. Reduced the memory, battery and bandwidth footprint. Fixed reliability problems. Designed and implemented APIs with focus on efficiency, concurrency, and robustness.
- Monitoring and alerting - Set up real time monitoring and alerting. Diagnosed and fixed many problems during on-call.

2013 **Contracting and various jobs.**

Created one person consultancy company and worked on a various jobs. Those included:

- Distributed logs analysis SaaS on amazon web services using scala.
- Optimizing the android application performance.

Summer 2012 **Google**, *Intern*, Dublin, Python, JavaScript.

End to end implementation of a web based data analysis tool, including frontend and backend.

Summer 2011 **Microsoft**, *Intern*, Headquarters, C++.

Added a performance focused feature to a distributed database used in the Bing search engine.

Education

2009 - 2012 **BSc, Computer Science**, *University of Warsaw*.

Proficiency out of 10

Languages Java 10, Python 7, C++ 7, JavaScript 6, Scala 6, many others <6.

Technologies Algorithms and data structures 10, android 10, performance and latency optimization 9, concurrency (in Java) 8, SQL 8, DevOps 6, data science 6, stats and machine learning 6.

Other

Programming Contests **81th place at Google Code Jam 2010**, Bronze medal at Polish olympiad in informatics 2009, successes and many problems solved on ACP ICPC, TopCoder, Hackerrank, etc.

Publications Applications of algorithms in programming contests, ISBN 978-83-930856-3-7 (Co-author with Jacek Tomaszewicz).