

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.
- End of 2013 **Contractor**, Poland, Scala.
Moved back to Poland for personal reasons. Worked as a contractor on a distributed system (100+ machines) in Scala on AWS.
- 2012 - 2013 **Facebook**, *Software Engineer*, London, Java.
Facebook Android App. Improving the mobile app infrastructure focusing on performance.
- Summer 2012 **Google**, *Intern*, Dublin, Python, JavaScript.
End to end implementation of web based data analysis tool, including frontend and backend.
- Summer 2011 **Microsoft**, *Intern*, Headquarters, C++.
Added a new feature to a distributed database used in the Bing search engine.

Education

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

Highly proficient with

- Languages Java, Python, C++, JavaScript, Scala.
- Technologies Algorithms and data structures, performance optimization, concurrency (in Java), data science (in Python), machine learning, android.

Other

- Programming **81th place at Google Code Jam 2010**, Bronze medal at Polish olympiad in informatics
- Contests 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).