

# 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**, *Sumo Logic*, Poland, Scala.  
Moved back to Poland for personal reasons. AWS deployment of a distributed (100+ machines) logs analysis system developed in Scala.
- 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 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, performance and latency optimization 10, android 10, concurrency (in Java) 8, SQL 8, DevOps 6, data science 6, stats and machine learning 6.

## 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).