

# Robert Kozikowski

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in kozikow

## 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 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 latency. Reduced the memory, battery and bandwidth footprint. Fixed reliability problems. Rewrote parts of the application for higher concurrency, efficiency and robustness
  - Monitoring and alerting - Made sure we detect problems as soon as possible and we are not drowned in false positives. Configured the rotation. Fixed many problems while on-call
- End of 2013 **Contractor**, Poland, Scala.  
Moved back to Poland for personal reasons. Worked as a contractor on a distributed system 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 parts of backend
- Summer 2011 **Microsoft**, *Intern*, Headquarters, C++.  
Added a new feature to distributed database used in the Bing search engine

## Education

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

## Highly proficient with

languages Java, Python, C++, C, JavaScript, Scala  
technologies Android, data science (Python based) and machine learning, performance optimization, algorithms and data structures, monitoring

## Other

- Programming 81th place on Google Code Jam 2010, Bronze medal in 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)