Robert Kozikowski

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Experience

Jan 2014 - Now **Google**, *Software Engineer*, London, Java, Python.
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 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 - Made sure we detect problems as soon as possible and we are not drowned in false positives. Configured the rotation. 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 parts of 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 Android, data science (Python based), machine learning, performance optimization, algorithms and data structures, monitoring.

Other

Programming Contests 81th place on Google Code Jam 2010, Bronze medal in 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 Tomasiewicz).