Robert Kozikowski

℘ +44 7857773182
✉ r.kozikowski@gmail.com
⌨ kozikow.wordpress.com
in kozikow

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 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 deployement 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, monitoring 7, data science 6, statistics 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 Tomasiewicz).