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 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 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 while 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)