

# ROBERT KOPROWSKI

**E-mail:** robert[at]koprowski.io

**Tel. no.:** +48 509 088 645 **Skype ID:** koprowski.robert

 <https://github.com/mr-robek>

 [https://twitter.com/MR\\_R0BEK](https://twitter.com/MR_R0BEK)

**in** <https://www.linkedin.com/in/robert-koprowski>

## PROFILE SUMMARY

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- Software Developer with 8 years of experience, mainly interested in web applications development, both front end and back end.
- Deep knowledge of Java programming language and Java frameworks like Spring Core, Google Web Toolkit or Wicket.
- 5 years of full time experience of JavaScript programming which includes ES6, firebase-functions, Node.js, jQuery, ReactJS
- Familiar with Object Oriented Programming concept and Design Patterns used in development process. Huge fan of agile methodologies like Scrum and Kanban.
- Developing under Linux, Mac and Windows environments. Competent in Bash, Powershell and Python scripting.
- Experienced with relational databases such as PostgreSQL, Oracle, HSQLDB and non-relational such as Redis, Cloud Firestore, Firebase Realtime Database.
- Ambitious, fast learner with passion for new technologies.

## EDUCATION

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**BEng(Hons) Artificial Intelligence and Software Engineering, 2008-2012**

The University of Edinburgh, Scotland

# TECHNICAL SKILLS

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**Programming Languages:** Java, JavaScript, Python, Bash, HTML, CSS, SQL

**Technologies:** NodeJS, Firebase Functions, Express.js, Mocha, Chai, jQuery, Spring Core, Hibernate, JUnit, GWT

**Concepts:** Object-Oriented Programming, Design Patterns, Agile Methodologies(Scrum, Kanban), RESTful Applications

**Databases:** Redis, Cloud Firestore, Firebase Realtime Database, Oracle, PostgreSQL, HSQLDB

**Operating Systems:** Linux, Mac, Windows

**Version Control Systems:** Git, Github, BitBucket, SVN, IBM ClearCase

**Tools:** JIRA, TeamCity, Jenkins, WebStorm, IntelliJ

## EXPERIENCE

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### Schibsted Tech Polska

**Backend Developer**, October 2019 - Now

Schibsted Tech Polska develops high quality software for news media, fin-tech and marketplaces industries.

#### Responsibilities

- Maintaining and developing backend of the mobile application handling over 30k active users monthly.
- Improving data structure of the firebase NoSQL document database.
- Collaborate with mobile apps developers to find most optimal solutions that deliver new features and bug fixes on time.
- Maintaining in-house administration tool used by Customer Service team.
- Supporting Customer Service team, solving backend related, non-trivial user inquiries.
- Writing automated backend tests and working close with QA team to ensure that all work is tested.

**Technology Used:** JavaScript, Node.js, firebase-functions, Cloud Firestore, Firebase Realtime Database, Redis, Bash, JSON, Git, GitHub, TeamCity, Pivotal Tracker

# PBSC Urban Solutions

**Full Stack Developer**, November 2016 - July 2019

PBSC Urban Solutions is a corporation based in Montreal (Longueuil), that operates bicycle sharing systems in Canada, United States, Mexico, United Kingdom and Australia.

## Responsibilities

- Participating in the elaboration of a Node.js logic stack.
- Creating user friendly interface with HTML and CSS.
- Capturing user experience metrics.
- Creating tools boosting development process.
- Cooperating with QA team, identifying and solving issues.

**Technology Used:** JavaScript, Node.js, jQuery, Bash, HTML, CSS, XML, JSON, Jenkins, Maven, JIRA, GIT and GitLab

# Motorola Solutions Systems Polska Sp. z o.o.

**Senior Software Engineer**, July 2016 to August 2016

**Software Engineer**, June 2014 to July 2016

Motorola Solutions is a global leader in mission-critical communications products, services and solutions. It has offices all around the world whereas Polish offices in Cracow hires over thousand employees.

## Responsibilities

- Implementing new features in both Java and Python web applications, which were used to upgrade complex distributed systems.
- Identifying and solving defects.
- Creating user friendly interface with HTML, CSS and Bootstrap.
- Creating Rest API with Java Servlet API.
- Writing unit tests and manual tests procedures. Supervising unit tests code coverage.
- Doing code review - checking code quality and unit tests.
- Being part of a scrum team - planning sprints, estimating tasks times, describing and logging tasks using JIRA.
- Supporting Software Integration Tests.
- Providing technical leadership for other developers.

## Achievements

- Optimized unit tests execution by introducing JUnit engine that categorized unit tests into suites.
- Implemented machine to machine mutual certificate authentication and automate certificate generate process.

**Technology Used:** Java, Java ServletAPI, JAXB, Hibernate, Spring Core, Wicket, JUnit, JavaScript, jQuery, Python, Bash, PowerShell, HTML, CSS, Bootstrap, XML, JSON, Tomcat, JUnit, Jenkins, Maven, HSQLDB, GIT and IBM ClearCase

# SmallGIS Sp. z o.o.

**Java Developer**, November 2012 - May 2014

SmallGIS is a fast growing company specialising in a geographic information systems (GIS), which products are used by companies from both public and private sectors. The company is located in Cracow, Poland and hires about 40 employees.

## Responsibilities

- Writing fast and maintainable front end code using Java (GWT), JavaScript and jQuery.
- Writing efficient and scalable back end code using GWT-RPC, JSP, JAXB, Java Servlet API.
- Writing Python scripts - plugins for ArcGIS Server - ESRI GIS Web Server.
- Creating SQL queries for JDBC Drivers.
- Designing Oracle and PostgreSQL databases structure (tables, views, indexes, triggers).
- Estimating tasks times.

## Achievements

- EMUiA - web application implemented for government employees to edit the register of cities, streets and address points in Poland.
- GeoPortal - web application that displays and edits geographical data. Deployed in various units from a public sector, for example: <http://atlas.warmia.mazury.pl/mpzp/>

**Technology Used:** Java, Java Servlet API, JAXB, Hibernate, Google Web Toolkit, JSP, JDBC, SQL, Oracle Database, PostgreSQL, Python, JavaScript, HTML, CSS, Bootstrap, XML, Tomcat, SVN

## ADDITIONAL INFORMATION

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**Languages** - fluent in written and spoken english

**Driving license** - category A and B