Ismael Rodríguez
Software Engineer @ Barcelona

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Education

2016 - 2018	**Master's Degree in Innovation and Research in Informatics**	(3.04 / 4.00)
	Polytechnic University of Catalonia – Barcelona, Spain	
2012 - 2016	**Bachelor's Degree in Computer Science and Engineering**	(3.50 / 4.00)
	University of Zaragoza, Spain	

Work Experience

October 2017 – Now   **Software Engineer at Datumize**
Design and development of innovative products using Java, path-finding algorithms and Big Data tools (Spark, HBase, Kafka, ElasticSearch). Focus on performance, clean code and extensibility.

May – August 2017   **Google Summer of Code participant for DBpedia**
Creation of a user-friendly Web Application to administrate RML mappings for DBpedia.

2016   **Undergraduate collaborator with Distributed Information System Group**
Development of a system to create Wikipedia Infoboxes using information from the Semantic Web.

Recent Projects

2018 - Now   **Datumize Warehouse Motion**
Product to track forklifts in warehouses using existing WiFi infrastructure combined with AI algorithms, to help detect inefficiencies in the warehouse organization. Developed using Java.

2018   **Datumize Web Collector and Big Data Platform**
Typescript library to capture interactions of web visitors without altering the code of the website, and a Big Data Platform to extract analytics from such data. Developed as my Master's Thesis.

2017   **DBpedia Mappings UI**
User-friendly web application to administrate RML mappings, integrated into the DBpedia infrastructure. Built with NodeJS and React.

Skills

Programming	Proficient:	Java and Javascript
	Experienced:	Python, TypeScript, HTML, CSS, C, Ruby, Bash
Technologies	Big Data:	Kafka, Spark, ElasticSearch, HBase
	Web & Mobile:	Angular, React, Node.JS, Express, Ionic, Android
	Other:	JUnit, Mockito, Git, Maven, MySQL, PostgreSQL
Languages	Spanish:	Native
	English:	CEFR C2 Level – Certificate in Advanced English, Grade A
	Catalan:	Full understanding (read and listen)

Awards

2018   Maximum score with honors in my Master Thesis: *"A System to Seamlessly Capture and Analyze User Interactions with Webpages"*.

2017   Best Academic Record of 2012/16 promotion of Computer Science and Engineering at University of Zaragoza.

2016   Best Final Degree Project on Computer Engineering at Zaragoza 2016 by Tecnara.

More information about me, including personal projects, can be found at my website.