

Jean Marie Cimula

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## INFO

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## QUALIFICATIONS

- data visualization, data analysis, data mining, machine learning, software engineering, statistical modelling, deep learning, customer value management, telecommunications, business intelligence reporting, ad hoc reports, big data analytics
- marketing / digital campaign analysis, tools, methodologies, exposure to online advertising, reporting and providing actionable insights

## EDUCATION

|  |             |
|--|-------------|
| Miyagi University  | 2016 –      |
| Dept.: Information Systems, Faculty of Project Design                                  |             |
| Master in Data Science   Thesis keywords: Machine learning, Big data, Text mining, AHP |             |
| Johns Hopkins University   | 2015-2016   |
| Data Science Specialization  |             |
| University of Kinshasa (M.Sc., B.Sc.)  | 2007 - 2012 |
| Mathematics and Computer Science   |             |

## TOOLKIT

R, C, Java, C++, Git, Linux, Apache Spark, Bash, EC2, Hadoop, LATEX, SQL, MongoDB

## SOFTWARE

**jpname** display a randomly selected a given name and search the meaning on namespedia  
**ethnocloud** focusing on providing high quality music streaming content  
**cblmr** the choice of the best linear model  
**flytr** quickly and easily track a flight  
**cmsr** commission management system  
**pkginfo** tools to get interactively information of R packages  
**afdb** IE from unstructured data

## ACADEMIC

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|---|-----------|
| University of Kinshasa, Kinshasa, DR of Congo (M.Sc.)                             | 2010-2012 |
| Implementation of an architecture of forest inventory with ArcGIS server          |           |
| University of Kinshasa, Kinshasa, DR of Congo (B.Sc.)                             | 2007-2010 |
| Research of shortest path using Dijkstra's algorithm. (Java embedded application) |           |

## EXPERIENCE

- Data scientist at Gold Search Expert (Startup): since March 2016

I work with cross-functional team members to identify and prioritize actionable, high-impact insights across a variety of core business areas.

- Identify problems and provide solutions which have significant impacts on business
- Build dashboards that provide insights and visualization into product performance relative to KPIs, projections, and historical performance
- Analyze marketing database to predict churn cases
- Documenting customer requirements and review use cases

Tools: Hadoop, R, Apache Spark, MongoDB

- MIS Engineer at IBM (October 2013 – March 2016)

- Roll-out and adherence to our internal Quality Management;
- Build and own reporting processes and procedures for pilot and steady state processes within the scope of the engagement;
- Understand customer requirements for new report requests, and advises on better practice approaches to report development; lead and facilitate discussions within work streams across levels;
- Train and educate groups (both clients and internal teams) on the methods and value of reporting;
- Dedicated point of contact for all reporting needs;
- Ensure the timely and accurate preparation of both periodic and ad hoc senior management presentations and reports regarding key initiatives, issues and activities;
- Develop and facilitate a strong working relationship with business partners through ongoing coordination and effective communication and, when warranted, demonstrate conflict resolution skills;
- Etc.

Tools: PL/SQL, Oracle, IBM Cognos, CRM, CMS for Revenue Sharing (Commission Management System), CVM (Customer Value Management), R

- Commercial Engineer at Millicom (March 2013 – November 2013)

- Analyze system requirements, capacity, cost, and customer needs to determine feasibility of project and develop system plan;
- Confer with engineers, customers, vendors or others to discuss existing and potential engineering projects or products.
- Evaluate operational systems, prototypes and proposals and recommend repair or design modifications, based on factors such as environment, service, cost, and system capabilities.
- Prepare necessary criteria, procedures, reports, or plans for successful conduct of the project with consideration given to site preparation, facility validation, installation, quality assurance, or testing.
- Represent employer at conferences, meetings, boards, panels, committees, or working groups to present, explain, or defend findings or recommendations, negotiate compromises or agreements, or exchange information.

Tools: Java, Dundas BI, DMS (Distribution Management System), Excel Macro, Shell

- IT Designer at Millicom (October 2012 – March 2013)

- Presenting ideas for system improvements, including cost proposals
- Working closely with analysts, database administrator, Marketing guys, Commercial team
- Producing detailed specifications and writing the program codes

- Testing the product in controlled, real situations before going live
- Preparation of training manuals for users
- Improving generally faulty applications for clients

Tools: Shell, PL/SQL, Unix, PHP, Oracle, C++

## CONFERENCE ACTIVITIES, PAPERS AND TALKS

- November 30, 2016: “Building interactive dashboards with R using Shiny”, Akita University, [http://www.topic.ad.jp/ipsj-tohoku/lib/exe/fetch.php?media=announce:program\\_20161130.pdf](http://www.topic.ad.jp/ipsj-tohoku/lib/exe/fetch.php?media=announce:program_20161130.pdf)
- December 9, 2016: “Combination use of BI tools and data analytics tools such as R”, Hachinohe Institute of Technology, <http://www.info.hi-tech.ac.jp/ipsjhit/> or [http://www.topic.ad.jp/ipsj-tohoku/lib/exe/fetch.php?media=announce:program\\_20161209.pdf](http://www.topic.ad.jp/ipsj-tohoku/lib/exe/fetch.php?media=announce:program_20161209.pdf)
- February 3, 2017: Participation at Software Japan 2017, <http://www.ipsj.or.jp/event/sj/sj2017/index.html>
- Analyzing the Behavior of a WhatsApp Group (June 16, 2017), <http://rpubs.com/jmcimula/bnb243>

## AWARD

- Special Prize for the Project SugoiAfrica at Challenge IoT Award 2016 in Sendai: Communications Prize at the ICT Business Model Discovery & Presentation Awards

## LANGUAGES

French, English, Portuguese, Japanese (*Elementary proficiency*)

## REFERENCES

References available upon request.