



# Jean Damascene TWIZEYIMANA

Research & Development: ICTs, Information Systems and Infrastructures

📍 ÖREBRO, 703 50, SWEDEN

## Details

Örebro, 703 50,  
Sweden  
+46765828469  
[tdamas3d@gmail.com](mailto:tdamas3d@gmail.com)

DATE / PLACE OF BIRTH  
1981-12-04  
Kigali, Rwanda

NATIONALITY Rwandan

DRIVING LICENSE Yes

## Social Profiles

[LinkedIn profile](#)

## 🌐 Skills

Development of  
Science and Scientific  
Theories

Planning and  
conducting research  
projects

Research Methodology  
and Methods

Qualitative Analysis

Quantitative/Statistics  
analysis

Data collection

Data analysis

Literature Review

Reviewing research  
work

Information Retrieval  
and Scientific  
Communication

Scientific/Academic  
Writing

Scientific  
debate/discussions

## 👤 Presentation

Jean Damascene Twizeyimana' professional interests include information systems and infrastructure development, electronic commerce, role of web and mobile technology for Socioeconomic development, computer use, research and education, research and development, research and innovations, Artificial Intelligence (AI), programming and software systems development.

Jean Damascene is a holder of PhD in information systems, received from Örebro University School of Business. He previously received Masters of Computer Science and a Bachelor of Computer Science. His doctoral thesis was in the field of Information Systems (IS) with a focus on IS impact. In the field of information systems development Jean Damascene has been part of development team for developing MIS for universities which include the development of SRS (Student Record System) at the National University of Rwanda, and SMS (Student Management System) at Kigali Health Institute. Jean participated in various ICT competitions and Challenges including the Google code Jam 2010, the East Africa 2008 Google gadget, and the role of mobile and web technologies for socioeconomic development (Dar Es Salaam 4th – 6th June 2011). Also, He has served as an IT developer at companies. For example, he has been a developer at Rwanda Development Gateway, web developer at the Web and Co, iLogics, and at Medmasoft LTD. In brief, service-oriented, desire to learn, and teamwork are the best aspects to characterize Jean's professional journey.

## Employment history

PhD Student at Örebro University, Örebro, Sweden

January 2014 – December 2019

A PhD student position at the Örebro University can be also seen as a research position because the focus is more on research activities.

As a PhD student here, I have attended coursework required for the doctoral degree, and I am engaged in research and publishing. So far, I have been a member of various committees internally and externally. I am currently a member of the DoKSek Social Activity committee, and I have been a reviewer of submissions in academic seminars and conferences.

Overall, my thesis project regards the implementation of ICTs by public institutions in the Least Developed Countries (LDCs). The focus is on the public value and the information infrastructures.

Lecturer at National University of Rwanda, Butare, Rwanda

May 2009 – January 2014

In charge of teaching and student support in Computer science department. In general, beyond teaching Web Design and development, Human-Computer Interaction, Java programming, C and C++ Programming, Operating Systems, ICT skills, and Server-side programming; I have also supervised student' final projects required for an undergraduate degree.

## Visiting Lecturer at Catholic University of Rwanda, Huye, Rwanda

May 2012 – December 2014

As a Visiting Lecturer, I have taught various courses in computer science department for the day, evening, and weekend programmes. The courses taught are web design and development, Advanced programming using Java, and Server-side programming.

## Visiting Lecturer at Institut Supérieur Pédagogique de Gitwe (I.S.P.G.), Nyanza, Rwanda

January 2013 – December 2013

As a Visiting Lecturer, I have taught Human-Computer interaction Course in computer science department for the day, evening, and weekend programmes.

## Teacher at Ecole Secondaire de Musamvu, Ngoma, Rwanda

March 2007 – December 2008

Mainly employed for teaching computer related courses which include Web Design, C and C++, Operating Systems, ICT skills, and Algorithm.

## Systems Development Consultant at Rwanda Development Gateway, Huye, Rwanda

February 2013 – December 2013

In charge of the design and development of web portals. This position involved hands-on in the design and development of web products the company delivered to its clients. My task was to use TYPO3 content management to design and build websites for clients. Inside the typo3 framework, I have also used HTML, Ajax, and PHP for customization and creation of functionalities.

## Project Implementation Manager at Medmasoft Ltd, Kigali, Rwanda

March 2012 – August 2013

I was in charge of organizing, initiating, and monitoring of the development of software product of the company. This involved efficient management of resources (finances, staff, and collaborations) in the development of software products.

## Senior Web Developer at Web & Co. Society, B-4280 Poucet, Belgique

March 2008 – May 2009

In charge of design and development of web systems, especially, backend functionalities.

Teaching and Coaching

Research utilization

Research and  
pitching/presentation  
Software Development

C,C++, and Java  
Programming

Web design and  
development

Managing, Monitoring,  
and Assessment of IT  
projects

Typo3 Content  
Management

Grails framework

AJAX

HTML

Javascript

Yii framework

MS Excel

Visual Basic

Database design

Mobile and web  
applications

OZEKI Gateway

PHP

Apache

Embedded Systems

User Interface design

Usability of systems

Server-side  
programming

Algorithm

## Education

### Doctor of Information Systems, Örebro University School of Business, Örebro, Sweden

January 2014 – December 2019

Jean Damascene Twizeyimana completed Ph.D. studies in informatics at Örebro University School of Business. Jean qualifies as a specialist in IT development, inter-alia, research and development of IT in organizations, research, and development of mobile and web applications for socio-economic development, IT implementation in organizations, Information Infrastructures, and Information systems development.

## Master of Science in Information and Communication Technology - Computer Science, University of Rwanda, Huye, Rwanda

2010 – 2012

Jean Damascene Twizeyimana is a holder of Masters of Science of Computer Science. In his career, Jean has been a dynamic and service-oriented professional. He has been part of development team for developing MIS for universities which include the development of SRS (Student Record System) at the National University of Rwanda, and SMS (Student Management System) at Kigali Health Institute.

## Bachelor of Computer Science, National University of Rwanda, Huye, Rwanda

2004 – 2009

Jean Damascene Twizeyimana is a holder of Bachelor of Computer Science. In his career, Jean has been a dynamic and dedicated scholar.

Jean participated in various ICT competitions and Challenges including the Google code Jam 2010, the East Africa 2008 Google gadget, and the role of mobile and web technologies for socio-economic development (Dar Es Salaam 4th – 6th June 2011). Also, He has served as an IT developer at companies. For example, he has been a developer at Rwanda Development Gateway, web developer at the Web and Co, iLogics, and at Medmasoft LTD. In brief, service-oriented, desire to learn, and teamwork are the best aspects to characterize Jean's professional journey.

## A2-level of Mathematics and Physics, Ecole des Sciences de Byimana

1997 – 2002

Mathematics and Physics was my field of studies in my secondary education after I finished the primary education.

## Courses

### Oracle Certified Professional (OCJP): Java SE 6, Pearson VUE

February 2011 – September 2011

### CCNA of Working at a small-to-Medium Business or ISP, LAN Switching and wireless, CISCO, National University of Rwanda

2007 – 2007

### CCNA of Networking for Home and Small Businesses, Routing Protocol and Concepts, Network Fundamentals, CISCO, National University of Rwanda

2008 – 2008

### Structure Interne des ordinateurs (Computer Architecture), AVU, National University of Rwanda, and Laval University

2005 – 2005

### Conception des sites web Dynamique I, AVU, National University of Rwanda, and Laval University

2005 – 2005

Coding

Requirements  
Engineering

Design, Development,  
and Implementation of  
IT systems

Troubleshooting

Testing

Information Systems  
Development

Project management

Product Development  
Cycle

E-Services

E-Government

Information  
Infrastructures

Politics

Administration

Innovation life cycle

Business Modeling

Business Architecture

Software Architecture

Telecommunication

System Administration

Web Hosting

MySQL

SQL

Netbeans

Evaluation of IT  
Systems

Human-Computer  
Interaction

Conception des sites web Dynamique II, AVU, National University of Rwanda, and Laval University  
[2005](#) – [2005](#)

Innovative Applications of Research and Science, Örebro, Karlstad, Linnaeus, and Mid Sweden universities in a joint initiative  
[September 2017](#) – [December 2017](#)

Supervising students' research projects

Social Networks

Kernel Gateway

IVR systems

## 🌐 Languages

English

French

Kinyarwanda

Swedish

## ♥ Hobbies

Hiking

Music

Sports

## 📖 Publications

TWIZEYIMANA, J. D. User-centeredness and usability in e-government: a reflection on a case study in Rwanda. Proceedings of the International Conference on Electronic Governance and Open Society: Challenges in Eurasia, 2017. ACM, 172-178.

[ACM](#) New York, NY, USA ©2017

[table of contents](#) ISBN: 978-1-4503-5412-7 doi> [10.1145/3129757.3129786](#)

TWIZEYIMANA, J. D., HANNU, L. & ÅKE, G. 2018. E-government in Rwanda – implementation, challenges and reflections. The Electronic Journal of e-Government.

This article was accepted for publication and will be available soon!

TWIZEYIMANA, J. D. & ANNIKA, A. 2018. The Public Value of E-Government - A Literature Review. Government Information Quarterly.

The paper is conditionally accepted.

## 📖 References

References available upon request