Jean Damascene Twizeyimana
Örnsköldsgatan 23, Örebro, 70350, Sweden
+46765828469
tdamas3d@gmail.com

PROFESSIONAL SUMMARY

A Creative and results-driven IT professional with more than 15-years of experience spanning Software Development, teaching IT Skills, web-technologies, software development, and programming, and research experience in information systems and information infrastructure development, with a focus on design, implementation, impact, context, and their inter-relationships. Robust history as a lecturer of computer science subjects, mainly software development, programming languages using C, C++, Java, and web technologies using HTML, CSS, JavaScript, and AJAX. Desire challenging assignments in both business and public organizations with an interest in web and mobile technologies for socio-economic development, computer use in organizations, information systems, and infrastructure development, programming, Software Development, intelligent systems, and Artificial Intelligence (AI).

Highlights:

- Coordinator of IT Evening classes at the National University of Rwanda, 2010-2011
- Participated in the design, development, and implementation of Student Registration System (SRS) at the National University of Rwanda and at Kigali Health Institute
- Aided in and supervised various software projects of students in computer science at the National University of Rwanda, [2009 – 2013
- Served as a software developer at Web & Co, Rwanda Development Gateway (RGD), iLogics, and also software project manager at Medmasoft, Ltd
- Personal research project entitled" E   Government and Value Creation in the Context of a Least Developed Country" with five articles published in scientific outlets so far, 2015 – Present.
- Learning, innovations, and the pursuit of value creation throughout project life cycles.
- Joined Code Institute (CI) looking for latest upgrades in software development in general and in web tech working on own web-projects, which include various e-commerce projects (https://allonsalenow.com/; https://adulop.com/,) and various projects for informative services (https:/jobsinsightstodayy.com/; http://adsrepository.com/; http://www.codingonlineacademy.com/).

TECHNICAL SKILLS

- Dev: C, C++, PHP, Java, Python, SQL, Apache
- Programming: Django, Grails
- Content Management: Typo3, WordPress
- Dev tools: Developer tool, PureLander, HTTrack
- Command Line Interface: Cloud 9, Github Gitpod, Linux
  Web Development: HTML 5, CSS, JavaScript, Bootstrap UX, Python, PHP, Java server pages, SQL and MySQL,
  Web Hosting: Domain names, Localhost, Cloud hosting, Hostinger, bluehost, SSL Web security, FTP, CPanel
- Facebook, LinkedIn, Google+, Instagram, YouTube, AdWords Microsoft advertising, Taboola, Evadav, Purple Ads, Perfect Audience, Google AdWords, Google Analytics, Google Apps

- Adobe Photoshop, NetBeans, Agile, FTP, MySQL, JavaBeans, Microsoft Office Suite
- eGovernment, eServices
- TOGAF, Gartner, Government-wide, Enterprise Architecture Framework
- Electronic Commerce, E-Health, Google Maps, OZEKI Gateway, Interactive Voice Records (IVR), Telemedicine, Visual Studio, Kernel Gateway, Perl, CLI

HARD SKILLS

- **Multi-Lingual:** Kinyarwanda, French, English, Swedish
- Data clean up and Data migration
- Content creation and management using Copywriting, customization, and adaptation
- Marketing, Affiliate Marketing, Design, create, manage ads
- Planning and Implementing Research Projects
- Information Systems Development and Design, User Interface Design
- Software Development, Information Infrastructure Development, IT Alignment
- Data Analysis, Data Management, Database Management
- Web Design, Web Hosting
- Statistics, Academic writing
- Object Oriented Programming, Enterprise Architecture
- Business Process Improvement
- Project Management, Product Development Management, Marketing Campaign Management
- Server-side Programming, Cloud Computing, Innovation lifecycle

SOFT SKILLS

- Effective Communication and Presentation
- Critical thinking Adaptability Organization Teamwork Creativity Integrity Dependability Initiative and Problem-solving Abilities Open-mindedness Willingness to learn Empathy

PROFESSIONAL EXPERIENCE

Full stack Web Developer Candidate, Own Projects at Code Institute Bootcamp; 2020 — Present
- Acquiring latest skills and upgrades in software development with a focus on web technologies
- Equipped with theoretical development in the field of web technologies, latest practices, and improved hands-on using declarative programming: HTML, CSS and SQL and imperative programming JavaScript and Python
- Milestone projects at the Code Institute Boot Camp and own projects. Projects include e-commerce portals (https://allonsalenow.com/; https://adulop.com/) and various projects for informative services (https://jobsinsightstoday.com/; http://adsrepository.com/; http://www.codingonlineacademy.com/).
- Uses various latest methodologies and technologies in software development including agile, github repository, cloud 9/gitpod.
- Utilizing User Centric Frontend Development with the use of UX's five planes as a part in guiding frameworks for planning and development of software projects.
- Interactive Frontend Development, Python fundamentals, hands on in Python (practical python), Data Centric Development, and the use of Full Stack Frameworks with Django

PhD Student/Researcher at Örebro University, Örebro; 2014 — 2020

- Development of research and collaboration skills by working with both public managers and project managers in the industry
- Collaboration with a MoU between Orebro University, University of Rwanda, and the Government of Rwanda
- Contributed to the design and implementation of e-government services in Rwanda by means of a longitudinal participatory research on the IREMBO project, an ongoing partnership between the government of Rwanda and the private company IREMBO LTD in a project to digitize into a single window platform all G2C and G2B in Rwanda
- Contributed to the existing framework of designing, managing, and measuring the success of electronic services in the public sector and in the particular context of least developed countries. The design, the management and the measurement should reflect the context including but not limited to the history of socio-economic, and information infrastructure development
- Developed strong skills and well-understood the challenges and critical success factors in the area of research and development (R&D) in organizations. Industries would like to see the kind of research that are results-driven therefore researchers should quest for investigations that are aligned and designed to solve the actual problems facing the industry, and also ensure that research is consumed by interested parties
- Developed advanced lecturing and presentation skills, and research ability in both quality and quantity
- Developed advanced skills in the design, implementation and management of information systems and information infrastructure
- Developed advanced skills in philosophy and statistics-based thinking and decisions
- Developed advanced proficiency in aligning Information Systems and Information Infrastructure to business goals and processes within organizations
- Developed advanced proficiency in the area of innovations such as the use of well-proven methods to innovations, which include but are not limited to the NABC (Needs Approach Benefits Competitors) approach
- Developed leadership and team-work capabilities and served as a member of the DoKSek Social Activity committee
- Reviewer of various submissions in academic seminars, conferences, and journals

Assistant Lecturer at University of Rwanda, Butare; 2009 — 2014
- Teaching and research of web technologies, programming using C, C++, and Java, human computer interaction, server-side programming, and general ICT skills
- Appointed the coordinator of IT bachelor program (weekend and evening) at the National University of Rwanda. We graduated a good number and quality IT professionals for Rwanda market and outside
- One of 4 permanent members of a team that designed, developed, and implemented the online Student Registration System (SRS) for the National University of Rwanda in 2012; and we developed the similar system for the Kigali Health Institute in 2013

Software Developer at Web & Co Society, Brussels via Online; 2008 — 2009
- Worked mainly on security functionalities through Captcha for the following websites: From December 2008 to January 2009: http://www.ecailleradomicile.be; from January 2009 to

February 2009: http://www.barcelonacars.com/; from February 2009 to March 2009: http://www.tisio.be/

Project Manager at Medmasoft Ltd, Kigali; 2012 — 2013
- Organizing, initiating, supervising, and monitoring of the development of software product at Medmasoft, Ltd, a service-based company in the area of software development. This involved efficient management of resources (finances, staffing, and collaborations) in the development of software products

Software Developer Consultant at Rwanda Development Gateway, Butare; 2013 — 2013
- Designed and developed Rwanda Education Board (REB) Website by using Typo3 content management that is based on PHP and SQL at the backend communications
- Used HTML, CSS, JavaScript/Ajax for front-end (user interfaces)

Visiting Lecturer at Catholic University of Rwanda, Butare; 2012 — 2014
- Teaching and Student Support: web design and development, Advanced programming using Java, and Server-side programming for day, evening, and weekend programmes

Visiting Lecturer at Institut Supérieur Pédagogique de Gitwe (I.S.P.G.), Nyanza; 2013 — 2013
- Teaching and Student Support: Human-Computer Interaction Course in computer science department for the day, evening, and weekend programmes

Teacher of Computer Science at Ecole Secondaire de Musamvu, Ngoma; 2007 — 2008
- Teaching computer related courses (A/High School level): Web Design and development, C and C++, Operating Systems, ICT skills, and Algorithm

EDUCATION, PROFESSIONAL and PERSONAL DEVELOPMENT

PhD, Örebro University, Örebro; 2014 — 2020
- Completed PhD studies in informatics at Örebro University School of Business. Required number ECTS credits in PhD program: 240 (90 for course work, and 150 for research). Courses included Philosophy of Science, Innovation Applications of Research and Science, Statistics, Qualitative Methods in Information Systems Research, Business Modeling and Business Architecture, eGovernment, Information Systems Evaluation, Information Infrastructure and E-services, and others. My doctoral thesis was in the field of Information Systems (IS) with a focus on IS impact. More specifically, I investigated the phenomenon of value creation through e-government in the context of an LDC.

Master's in Computer Science, University of Rwanda; February 2010 — October 2012
- The program was made of coursework and a thesis project. Main courses included Research Methodology, Economics of Networks, Software engineering, Software Architecture, Network Security and Information Security, Artificial Intelligence.
- In parallel to course work, I have worked on various projects including two major projects of developing software.
- Projects: Design and Development of E-ticketing for bus transport. The purpose of the project was to design and develop a mobile and web system for booking and buy bus tickets online.

- Thesis project: 'Interactive Voice Responses (IVR) for Telemedicine'. The aim was to investigate the required latest ICT technologies that can be used to provide better health care in rural regions of Rwanda. Thesis project proved an alternative online health information system by means of IVR in regions whose community do not have adequate infrastructure and skills to access and use service and information on the web. This was reasonable in this case because the use of mobile technologies was on rise in those regions; then the inhabitants of those regions were able to access using a standard mobile phone.

Bachelor of Computer Science, University of Rwanda, Butare; 2004 — 2008
- Main subjects included web design and development, Software engineering, Analysis of algorithms, advanced programming, Networking, database management systems, Artificial intelligence, and research methodology. My final dissertation was entitled ' Tourism Development: The Map of Historical and Attractive sites using Google Mapping Technologies'
- The aim was to design and implement the map of historical and attractive sites of Rwanda using Google map technology. HTML and PHP Google map libraries have been used to implement a prototype that allow users to preview the sites on the map.

A level in Mathematics and Physics, Ecole des Sciences de Byimana; 1996 — 2002
- A2 level certificate or High School diploma.
- Main subjects studied includes Analytical and linear mathematics, Geometry, Algebra, Physics, Chemistry, Electricity, Biology, History, Geography, Music, etc.

CERTIFICATION AND EXAMS
- Diploma in Software Development: Full Stack Web Developer, Code Institute; April 2020 – Present
- Super Affiliate System Pro – A Professional Course for the use of Web and Mobile Technologies in Marketing and Own One's Own Online Business; January 2020 – Present
- Swedish for Immigrants (SFI), Campus, Risbergska, Orebro; January 2019 – Present
- Innovative Applications of Research and Science, Orebro, Karlstad, Linnaeus, and Mid-Sweden Universities; 2017
- Oracle Certified Professional (OCJP), Java SE 6, Pearson VUE; 2011
- CCNA: Networking for Home and Small Businesses, Routing Protocol and Concepts Networking Fundamentals, CISCO; 2008
- CCNA of Working at a Small-to-Medium Business or ISP, LAN Switching and Wireless, CISCO; National University of Rwanda; 2007
- Structure Interne des Ordinateurs (Computer Architecture), distance learning at Laval University via African Virtual University AVU; National University of Rwanda Center; 2005
- Conception des sites web Dynamique I (Web Design Part I & II), distance learning at Laval University via African Virtual University AVU; National University of Rwanda Center; 2005

RESEARCH AND PUBLICATIONS

Twizeyimana J. D. (2017). *User-centeredness and usability in e-government: a reflection on a case study in Rwanda.* Paper presented at the Proceedings of the Internationsl Conference on Electronic Governance and Open Society: Challenges in Eurasia.

Twizeyimana J. D. (2019). *E-Government and Value Creation in the Context of a Least Developed Country: A perspective on public value and information infrastructure.* Örebro University.

Twizeyimana J. D. (2019). Towards Realization of the Public Value of e-Government: anticipation-reality gap and critical success factors in the context of Rwanda.

Twizeyimana J. D., & Andersson, A. (2019). The public value of E-Government – A literature review. *Government Information Quarterly*.

Twizeyimana J. D., & Andersson, A. (2019). The public value of e-Government: anticipations in the IREMBO project in Rwanda.

Twizeyimana J. D., Larsson, H., & Grönlund, Å. (2018). E-government in Rwanda: Implementation, Challenges and Reflections. *Electronic Journal of e-Government, 16*(1), 19-31.

INTERNATIONAL CONFERENCES AND WORKSHOPS
- 16th IFIP Electronic Government (EGOV) and 9th Electronic Participation (ePart) Conference 2017 and PhD colloquium, 4th -7th September 2017, ITMO University, St- Petersburg, Russian Federation
- Proceedings of the International Conference on Electronic Governance and Open Society: Challenges in Eurasia. Paper presented at 2017 International Conference on Electronic Governance and Open Society (eGose 2017), ITMO University, St. Petersburg, Russia, September 4-6
- 14th Scandinavian Workshop on E   government (SWEG 2017) 1-2 February 2017, Mid Sweden University, Sweden
- JAIS Theory Development Workshop, December 11, 2016, Dublin
- The role of mobile and web technologies for socio-economic development, World Wide Web Workshop, Dar Es Salaam 4th – 6th June 2011

AWARDS AND RECOGNITION
- Degree of Doctor of Philosophy within the subject of Informatics
- Master of Science Honours Degree in Information and Communication Technology – Option Computer Science
- Bachelor of Science Honours Degree in Computer Science
- SIDA Scholarship laureate for doctoral studies
- SFAR Scholarship laureate for undergraduate studies

REFERENCES
Available upon request

HOBBIES

Hiking, Music Classic, Gospel Music, Football, Gym

LINKS
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- GitHub,
- Ads Repository
- Coding Online Academy
- LinkedIn
- Research Gate
- Portfolios