Research, Project and Innovation Management Specialist

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About Me

Dynamic Programme Manager with 14 years of extensive experience at leading complex projects in technology and innovation, across international settings. Adept at designing and implementing strategic initiatives to address social, economic, and environmental sustainability challenges. Proven success in leading teams to deliver impactful results, consistently exceeding project deadlines and expectations. Known for fostering collaboration, driving innovation, and creating sustainable solutions through effective leadership and strategic planning. Committed to leveraging extensive experience and leadership abilities to empower development teams, optimize project outcomes, and improve team dynamics for sustained success.

Skills: Hybrid Project Management; Agile Product Management; Project Planning; Stakeholder Management; Event Management; Communication Strategy Development; Resource Mobilization; Report Writing; Project Presentations; Strategy Development; Team and Capacity Building; Innovation Management; Collaboration; Mentorship; Global Ecosystem Engagement; Design Thinking; Documentation; Leadership; Conflict Resolution; Program Advocacy; Monitoring and Evaluation; Continuous Learning and Improvement

Career Highlight

○ Managed 15 Open-Source Technology projects to drive sustainable development in Africa, Europe and Asia via Interorganizational collaboration, Innovation, Sustainability, and Training;
○ Championed the Sierra Leone National Digital Public Goods program, by developing a national DPG deployment roadmap, thus increasing DPG impact and awareness from 0.3% to 8%
○ Cultivated strong relationships with government agencies, institutions, and community organizations to effectively implement technology solutions, contributing to the growth of the tech ecosystem in Nigeria.

Experience

2023-2024 **Innovation and Technology Development Consultant**, *New Production Institute*, Hamburg, Germany.
○ Formulate and implement project strategies and methodologies for technology development projects (open-source hardware) in alignment with institutional goals and timelines.
○ Provide technical support in open-source hardware project development and management, ensuring adherence to best practices to optimize project delivery and mitigate risks effectively.
○ Foster and maintain strategic partnerships and collaborations with industry stakeholders and academic institutions to facilitate the adoption of open-source technologies, enhancing project outcomes and driving innovation.
○ Represent the institute at national and international conferences to advocate for project funding and resources through proposal writing and stakeholder engagement and contribute to promoting project advancements.
○ Conduct feasibility studies and market analyses to support decision-making processes in the ideation and implementation of research initiatives focused on sustainable development and technological innovation.
○ Prepare detailed and accurate project documentation and records of project activities and outcomes, including reports, proposals, and technical specifications for internal review and external reporting.
Achievements: Facilitate the development and management of the German-Tunisian education and research project on Places of Incubovation (PISWI) and Development of Industry 4.0 in the Tunisian Textile Industry.
○ Streamline planning processes to attain a 20% reduction in planning cycle time and improve coordination and decision-making among teams, leading to faster delivery of open-source hardware projects.
○ Reduce critical dependencies by 25% through proactive identification, communication, and resolution strategies, resulting in improved predictability and reduced project delivery risks.

2022-2023 **Digital Public Goods Consultant**, *UNICEF*, Freetown, Sierra Leone.
○ Assisted the Directorate of Science Technology and Innovation (DSTI) in designing and implementing strategies and roadmap to launch the National Digital Public Goods (DPG) governance structure in Sierra Leone.
○ Created comprehensive reports, DPG infographics, and documentation for governmental and partner organizations, such as stakeholder analyses and programmatic evaluations, to support decision-making and funding applications.
○ Built and strengthened relationships with key DPG stakeholders, including government entities, NGOs, and private sector partners involved in digital innovation and development projects, enhancing coordination and cooperation.
○ Provided programmatic and operational support for the development of the OpenG2P financial platform, ensuring sustainable management and monitoring of deployed digital solutions.
○ Planned and established the governance framework and reporting structure for DPGSL, enhancing accountability and transparency in digital innovation initiatives.
Achievements: Led advocacy efforts that significantly increased awareness of DPG from 0.3% to 8% among youth and university students within one year through targeted campaigns, workshops, and educational programs.
○ Organized the first-ever 3D printer assembly hackathon in Sierra Leone, involving 450 participants across 3 districts and resulting in the assembly of 16 3D printers, saving stakeholders over 30,000 USD in equipment costs.

2016 - present **Program Director (Voluntary)**, *Greenlab Microfactory*, Akure, Nigeria.
- Designed, and conducted EdTech programs, including "One Student One Arduino" (1S1A) and TICK STEM and other community projects, impacting over 100,000 Nigerian children and youths.
- Provided mentorship and support to five (5) tech start-ups, guiding them through the growth and development stages, and fostering innovation, with one achieving a valuation of 100 million Naira.
- Directed the preparation and submission of grant proposals and funding applications to secure financial resources for ongoing and future projects while launching an e-commerce platform to provide high-quality and affordable technology development tools for Nigerian youths.
- Offered strategic consultancy to international organizations like TME Education (Poland), supporting their EdTech initiatives in Nigeria to enhance educational technology adoption and impact.

Achievements: Facilitated a 3-day community development project with 100 participants, successfully building solar panels and introducing 3D printing technologies, to democratize social innovation in the community.
- Raised funding of €50,000 through crowdfunding and component donations to support education scholarships and various STEM initiatives like 1S1A, Females in Tech, and Green STEM Labs in Nigerian primary schools.

2015 - 2022 **Innovation Manager / Research Scientist**, *Institute of Production Engineering - Helmut Schmidt University*, Hamburg, Germany.

Supervised and conducted research projects. Administered open-source projects to drive sustainable development in Africa, Europe, and Asia using intergovernmental collaboration, innovation, sustainability, and training to grow access to 3D printing, laser cutting, electronics, and milling technology. Delivering project management, strategic alignment and implementation support for technology initiatives as prioritized by governments and other aid agencies. Partners with a cabinet-level ministry, Arab-German Young Academy, community organizations and stakeholders to sustain innovative projects in research, science, policy, and education. Supports proposal and fund application development.
- Oversaw and directed multiple research projects focused on promoting sustainable development in Africa, Europe, and Asia, ensuring alignment with institutional goals and adherence to project timelines
- Trained, mentored, and facilitated Innovation, Design thinking, Business modelling, Rapid prototyping and Business case analysis project for final year Economic Engineering and Business executive students
- Developed collaborative frameworks with intergovernmental organizations and community stakeholders to support technology transfer and capacity building in developing countries
- Coordinated a diverse team of 20 professionals, including professors, directors, and researchers, to administer open-source technology innovations, enhancing access to 3D printing, laser cutting, and electronics technologies
- Organized and executed series of International Innovation hackathons developing frugal and sustainable solutions to address societal issues such as drought, education, technology chasm, health, and access to potable water in developing countries, enhancing sustainability
- Successfully led a team of 5 for the Hardware Hackathon at the Palestine Polytechnic University, overcoming importations and other embargoes
- Facilitated Quality Management lectures for final-year Engineering students

Achievements: Spearheaded a €60,000 project to develop 5 open-source machines in Tunisia, which saved €20,000 and facilitated capacity building and collaboration between European and Tunisian inventors.
- Successfully managed a €1,000,000 open-source development research project in Tunisia, leading to the establishment of 3 OpenLabs in Tunis and Monastir and the facilitation of technology access among local communities.

Education

2020 **Ph.D. Production Engineering**, *Helmut Schmidt University*, Germany.
Thesis: Measuring and Managing User Innovation in Emerging Economies: A Case Study of South-West Nigeria.

2014 **Master of Science Technology Management**, *University of Pretoria*, South Africa.
Thesis: Exploring the Role of Information Technology in Response to the HIV/AIDS Epidemic in South Africa.

2013 **Bachelor of Science Technology Management**, *University of Pretoria*, South Africa.

2010 **Bachelor of Science Computer Information System**, *University of South Africa*, South Africa.

Certifications

2024 **Project Management Practitioner**, *PRINCE2 7th Edition*.

2024 **Agile Scrum Master**, *EXIN*.

2024 **Agile Scrum Product Owner**, *EXIN*.

2021 **Certified Research Professional**, *International Institutes of Procurement and Market Research*.

2020 **Open-Source Technology Development (How to Make Almost Anything)**, *Fab Academy Certification, Fab Foundation*.

2020 **Coach, Teacher, Trainer, and Speaker**, *John Maxwell Leadership*.

2019 **Project Management Practitioner**, *PRINCE2 6th Edition*.

2016 **Lean Six Sigma Black Belt**, *Management and Strategy Institute*.

2009 **Project+**, *Computing Technology Industry Association*.

Technical Proficiency

Data Analysis

Software | RapidPro, SPSS, PSPP, ATLAS.ti, R Programming, RQDA

Office Suites

Microsoft Office | Word, Excel, PowerPoint

Google | Docs, Sheets, Slides

Rapid Prototyping

Software | Autodesk Fusion360, On-Shape, Autodesk Eagle, Corel Draw Graphics Suite

Hardware | Arduino Electronics and Programming

Communication

Tools | Microsoft Teams, Zoom, Slack

Computer Programming

Languages | HTML, Java, C++, Visual Basic, Delphi, Assembly language

Project Management

Methods | PRINCE2, Scrum, Kanban, Nexus, Lean Methodology, Total Quality Management

Software | Microsoft Project, JIRA, MIRO