Abiola P. CHOKKI (PhD) | PostDoc Researcher | Full Stack Developer | Data Engineer/Analyst | Co-Founder of AhoueFa.com

 LinkedIn | +32 491337396 | Website | cpeterabiola@gmail.com | GitHub

Skills

- Python | PHP | Java | JavaScript | jQuery | TypeScript | React | Angular | Vue | TailwindCSS | Django | Lavarel | Yii
- Node | Express | Ionic | Wordpress | Odoo | MySQL | PostgreSQL | MongoDB | Pandas | Numpy | Plotly | HighCharts
- Power BI | Excel (Power View) | Frontend | Backend | Full-Stack | French, English – *All professional proficiency or above*

Experience

PostDoc Researcher   **University of Namur**   Namur, Belgium   **11/2023 - Current**

- Collect and document researchers' responsibilities within the WP2 of ARIAC project (Trusted AI).
- Introduce an AI-enhanced tool for Systematic Literature Reviews, aiming to cut research time by 40% (Pending validation).

Co-founder   **AhoueFa**   Cotonou, Benin   **01/2020 - Current**

- Designed and implemented AhoueFa's web and mobile platforms using Wordpress, PHP, Java, and MySQL, facilitating connections between real estate agencies, customers, buyers, sellers, and service providers.
- Shaped AhoueFa's marketing strategy with Facebook Ads, successfully accumulating 10,000 classified listings and 8,000 real estate properties to date.

Freelance Full Stack Developer   **01/2016 - Current**

- Designed, developed, and sustained web, mobile, and ERP solutions tailored to client needs, leveraging tools like Yii, Laravel, PHP, Javascript, jQuery, Vue, Ionic, React, Odoo (Python), MySQL, and PostgreSQL.
- Led a 12-member team of developers and testers within a SCRUM environment to implement the University of Laos' management system.
- Designed and sustained a Human Resources Management System for Nam Theun 1 Power Company using Odoo and PostgreSQL.

Researcher   **University of Unamur**   Namur, Belgium   **12/2019 – 10/2023**

- Engaged with a wide range of OGD stakeholders in Wallonia to understand their unique requirements for utilizing OGD.
- Integrated these requirements into 6 interoperable tools, each involving various ETL and storytelling processes. Technologies utilized include Django, Angular, Javascript, jQuery, Python, Java, Pandas, Plotly, HighCharts, and PostgreSQL.
- Thoroughly documented stakeholder requirements and shared valuable insights through the publication of 10 scientific papers

IT Consultant   **Sysmatik Co., Ltd**   Vientiane, Laos   **11/2018 – 11/2019**

- Engineered and sustained the firm's in-house and client projects, encompassing E-commerce platforms, payment gateways, delivery systems, and websites with Laravel, PHP, Javascript, jQuery, Vue, Ionic, WordPress, and MySQL.
- Conduct a study on banking systems and supervise the development of the mobile application of BIC Laos bank.
- Led a team of 3 developers in a SCRUM environment.

ERP Project Manager   **Cyberia Co., Ltd**   Vientiane, Laos   **10/2014 – 10/2018**

- Develop and maintain ERP, mobile and web applications based on client requirements using Odoo, Yii, Ionic, Python, PHP, Javascript, jQuery, MySQL, and PostgreSQL.
- Spearheaded full project lifecycles, from requirement analysis to implementation and training.
- Manage a team of 5 developers using SCRUM method.
- Pioneered internal products, boosting the software department's revenue by 20% initially, with consistent yearly growth of 10%.

End of Master degree internship (6 months)   **University of Toulouse 1**   Toulouse, France   **2014**

- Propose and implement a solution to generate localized synthetic population from aggregate data via JAVA and GAMA simulator.

Assistant to the General Manager and Application Developer (7 months)   **HESystems**   Cotonou, Benin   **2012**

- Write bidding documents for tenders
- Develop and maintain web and Windev applications using PHP, JSP, Java, Windev and MySQL.

End of engineering degree internship (6 months)   **University of Abomey-Calavi**   Abomey-Calavi, Benin   **2012**

- Propose and implement an improved version of the AODV protocol to enable mobility in hybrid networks using C++ and the NS2 simulator.

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Education

PhD in Computer Science	**University of Namur**	Namur, Belgium	**2019 - 2023**
Master degree in Interactive Systems Engineering	**University of Rochelle**	La Rochelle, France	**2012 - 2014**
Master degree in Intelligent Systems and Multimedia	**International Francophone Institute**	Hanoi, Vietnam	**2012 - 2014**
Engineer degree in Computer Engineering and Telecommunications	**University of Abomey-Calavi**	Abomey-Calavi, Benin	**2006 - 2011**

Certificates

- Gestion de projets (Mooc GdP - 2023)
- Management d'Équipe Projet (Spécialisation - Mooc GdP - 2023)
- Outils et applications web pour la gestion de projet (Spécialisation - Mooc GdP - 2023)
- Outils et Méthodologie de Résolution de Problème (Spécialisation - Mooc GdP - 2023)
- Fondamentaux du marketing numérique (Google - 2020)

Projects

- ODEON: A collaborative platform connecting citizens, developers, and data providers, built with Django, Plotly, and PostgreSQL. Features include citizens proposing OGD service ideas and developers communicating data needs and issues to publishers. [Github]
- CitizenApps: An Android application aggregating global Open Government Data services, apps, and visualizations into one platform, developed using Java. [Github]
- ODE: An end-to-end Open Data storytelling tool, akin to Tableau/Power BI, enabling users of all skill levels to craft data stories from government portals without coding and crafted with Django, Javascript, jQuery, Python, Pandas, Plotly, HighCharts, and PostgreSQL. Features include OGD portal data collection, processing, quality checks, visualization recommendations, and story creation. [Github]
- StoryOGD: An enhanced ODE tool allowing publishers to transform traditional OGD portals into storytelling platforms using Django, Javascript, jQuery, Python, Pandas, Plotly, and PostgreSQL. [Github]
- QualityOGD: A conventional agent constructed with Django, Python, Pandas, and Angular for users to conveniently evaluate content and metadata quality (completeness, accuracy, findability, understandability, etc.) of open government datasets. [Github]
- Promptopia: A community-oriented platform developed with Next.js, React, and MongoDB, focused on uncovering and sharing distinctive prompts for AI language models. [Github]
- ChatOne: A Q&A system leveraging LLMs (like GPT4ALL, LLAMA, GPT3, GPT4) for queries across diverse formats including csv, xls, pdf, web pages, and YouTube videos, developed with Streamlit, Python, and Pandas. [Github]
- Supply Chain Data Analytics: A Power BI dashboard showcasing key KPIs (on-time delivery (OT) %, in-full delivery (IF) %, and on-time in full (OTIF) %) aiding a manufacturer in pinpointing and resolving key customer issues prior to business expansion. [Github]
- HR Attendance Data analytics: A Power BI dashboard to track employee data for the HR team, including working hours, attendance, performance, and leaves. [Github]
- Revenue Analysis for Hospitality: A Power BI dashboard highlighting vital KPIs (such as Revenue per available rooom (RevPar), Average Daily Rate (ADR), Occupancy %) to assist hotels in understanding their revenue patterns. [Github]
- Retail Insights: A Power BI dashboard presenting sales metrics (like top customers, leading products, regional sales, and sales volume) for a store, aiding in data-driven decision-making. [Github]