

NATHANIEL ALABI-GA ANNANG, MBCS, MSc.

Software QA Engineer | Automation Test Engineer | ISTQB Certified

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PROFESSIONAL SUMMARY:

ISTQB certified QA Engineer with over 3 years of experience in testing (manual and automation) and 7 years in engineering (Geospatial and Web development). With a background in full-stack development, I've transitioned into Test automation expert, using tools like Playwright, Selenium, and Cucumber to ship reliable, defect-free software faster. Skilled in Agile environments with a passion for building scalable, high-impact test frameworks.

AREA OF EXPERTISE:

- **Testing and QA:** Playwright, Selenium, Cucumber.js, Cypress, Jira, PTC Integrity, Regression, E2E
- **Programming Languages and Tools:** JavaScript, TypeScript, Python, Git (GitHub, GitLab; CI/CD), Bash/Linux basics
- **Frameworks & Dev Tools:** Django, Angular, React (Basic), WordPress, HTML/CSS, REST APIs, UI/UX
- **Database and Systems:** PostgreSQL, SQL Server, SAP (basic), ERP (Odoo), Agile/Scrum, MES (Tesla)
- **Other Proficiencies:** Agile Methodologies, ERP Systems (Odoo and SAP basics), Data Visualization with Python, Microsoft Power Bi, Microsoft Office Suite, Excellent interpersonal skills and self-driven attitude for collaborating with cross-functional teams. **AI automation Workflow Tools (n8n(basic), Make and Zapier)**

CERTIFICATIONS:

ISTQB Foundation Level – Certified | **Full-stack Web development – MEAN stack** | **Member of the Chartered Institute for IT**

PROFESSIONAL EXPERIENCE:

Test Automation Software Developer/ uTest – Remote

09/2025 – current

- **Agnostic Test Automation Framework:** Developing an agnostic test automation framework with adapters, interfaces and property abstractions that allow the same test cases to execute across multiple automation engines (Playwright, Selenium, Cypress, CucumberJS) **without rewriting tests**, one unified test logic, any automation tool.
- Delivered project-based QA for **HBO Max (WBD, EMEA Wave 4)**, validating subscription purchase flows, device onboarding, and regional payment behavior across web, mobile, TV, and console platforms during pre- and post-launch cycles.
- Selected as a freelance tester for **Google Translate (Language Learning – Practice feature, en/de)**, validating new feature behavior and localization accuracy prior to wider rollout.
- Performed exploratory regression testing for **Coinbase (web & mobile)**, focusing on functional and UI issues across authentication, trading, portfolio, balances, and transaction-related flows,

Quality Assurance Technician / Tesla – Gigafactory Berlin-Brandenburg

11/2023 – 06/2025

- Performed dimensional & visual quality validation of EV components using MES tools and precision measurement instruments; cross-trained across 9 key production stations.
- Developed lightweight internal tooling used to improve station assignment efficiency and supervisor workflow (~80% productivity improvement).
- Documented and tracked quality defects, anomalies, and non-conformances using structured defect reporting processes.

Software Test Engineer / KARL STORZ endoscopy – Berlin, Germany

07/2022 – 09/2023

Employed with the objective of converting all manual test cases to automated ones, with the aim of generating regression reports for at least 50% of cases prior to my tenure. However, I successfully achieved a 70% conversion rate of these manual test cases and meticulously documented the process with reports. This surpassed the expectations of the head of software and test leads, leading to additional responsibilities like Software support being entrusted to me.

- **Test Automation:** Automated existing manual test cases in PTC and Jira for the main administrative app of the hospital management system developed by Karl Storz in Berlin and the USA.
- **Agile Proficiency:** Demonstrated exceptional agility and proficiency in Agile software development methodologies, resulting in a remarkable 70% acceleration in task completion. This achievement led to an exclusive assignment as the sole Automation engineer for enhancing the Hospital Administrative Web App.
- **Framework Development:** Collaborated with the lead test and DevOps engineers to develop a framework enabling the use of various test suites, such as Playwright with CucumberJs, ensuring adaptability as applications evolve. Documented and conducted regression and integrated testing as part of the framework development process for the Hospital Administrative Application.
- **AI Quality Assurance:** Joined a team of AI developers as a Quality Assurance Engineer to verify the correctness percentage of the AI model for the Operation Room (OR) under development.
- **Software Support:** Provided comprehensive support to senior software developers, including documenting newly built tools, organizing and cleaning the Git repository, and assisting with various tasks such as wireframing, user testing, and organizing weekly sprints to ensure smooth project progression and team efficiency.

Freelance Full stack Developer/ QA Consultant / Design Pixel – Tema, Ghana

08/2016 – 09/2023

- Built over 20 responsive web apps (5+ active live) using WordPress, Angular, Django, and custom CMS solutions.
- Introduced test automation and CI/CD practices in client projects using selenium
- Managed complete QA cycles including test plan creation, bug triage, regression, and smoke testing.
- Developed unique website and logo using Adobe Illustrator and Photoshop to strengthen company brand and identity.

Geomatic Engineer/ QA Lead for Field Data Automation /

Joeamah Geomatic Consult Limited – East Legon, Ghana

08/2016 – 04/2022

- Developed Python scripts in ArcGIS to automate field data processing, reducing manual effort by 85%.
- Built the company’s internal data management web tools and maintained developed the company www.joeamah.org.
- Led QA on GIS mapping deliverables, ensuring survey data accuracy within 5mm tolerance.

EDUCATION AND TRAINING: -----

Berlin School of Business and Innovation - Berlin, Germany

02/2022 – 02/2024

Postgraduate Degree: MSc. Information Technology management - **Distinction**

Modules: Fundamentals of Computer Science | Digital Economy and Transformation | Machine Learning and Visualization for Data Analytics| Electronics, Mechanical and Mechatronic Systems | Information Systems Management | IT Operations, Supply and Logistics

Dissertation: *Developing an Integrated, Affordable, and Adaptable Hospital Management System for Developing Countries: Lessons Learned from the First World*

National Institution of Information and Technology (NIIT) - Accra, Ghana

12/2020 - 05/2021

Certificate in Full stack Development: Computer Programming

Kwame Nkrumah University of Science and Technology - Kumasi, Ghana

09/2011 - 07/2015

Bachelor of Science: **Geomatic Engineering**

Ghana National College - Cape-Coast, Ghana

09/2007 - 05/2011

High School Certificate in General Science: WAEC Certificate

LANGUAGES: English C2, German B1

HOBBIES: Graphic Designing, Mobile App development (IOS and Flutter), Reading Financial Books