

# Bernard Sarfo Twumasi

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## EXPERIENCE

**SmartOcean AS**, Grimstad – Norway | [www.smartocean.com](http://www.smartocean.com)

*Senior Software Developer*, August 2023 – Present

- Develop subscription management system to manage all user subscriptions
- Integrate mobile payments using Stripe and Visma for invoices into core system
- Builds services to send and receive data from IoT devices over cellular and satellite connections
- Builds analytics reports using insights extracted from the database
- Technologies used: C#, Typescript, React, PostgreSQL, Linux Server, Microservices Architecture, Docker, Microsoft Azure, Kubernetes

**DataDrivenFinance AS**, Grimstad – Norway | [www.ddfinance.com](http://www.ddfinance.com)

*Software Developer*, April 2020 – July 2023

- Develop web and mobile applications as well as manage the company's website
- Develop USSD Applications to enable feature phones to access core systems
- Integrate mobile payments (mPesa Direct/PayBill) into core systems
- Builds analytics reports using insights extracted from the database
- Technologies used: C#, Typescript, JavaScript, VueJS, Angular, PostgreSQL, Linux Server, Microservices Architecture, CQRS, Docker, Microsoft Azure

**Maariba Limited**, Tema – Ghana | [www.maariba.com](http://www.maariba.com)

*Software Engineer (IT Systems Manager)*, August 2018 – December 2021

- Developed web and mobile applications as well as managing the company's website
- Developed USSD Applications to enable feature phones to access core systems
- Builds analytics reports using insights extracted from the database
- Integrate mobile payments (Mobile Money and VISA/Mastercard) into core systems
- Lead Developer for e-Insure Insurance Platform (Web, Mobile, USSD)
- Technologies used: PHP, MySQL, Java, Bootstrap, HTML, CSS, JavaScript, Linux Server, RESTful APIs

**JimahTech Limited**, Kumasi – Ghana | [www.jimahtech.com](http://www.jimahtech.com)

*Software Engineer (National Service Personnel)*, June 2017 – August 2018

- Developed mobile, desktop and web applications as well as websites for clients
- Developed ERP software for clients
- Integrated mobile payments (Mobile Money and VISA/Mastercard)
- Built analytics reports using insights extracted from the database
- Technologies used: PHP, MySQL, C#, Java, WordPress, Bootstrap, HTML, CSS, JavaScript,

**Bohye Multimedia (Bohye 95.3 FM & Gye Nyame 94.5 FM)**, Kumasi – Ghana

*Systems Administrator, May 2014 to June 2017*

- Increased website traffic and conversion KPIs with targeted SEO strategies
- Wrote and published 10+ articles per day totalling 50+ posts per week for the company blog
- Developed radio automation and billing software to automate company processes
- Technologies used: WordPress, PHP, MySQL, Bootstrap, HTML, CSS, JavaScript, Windows Server.

**Overmars Multi-Satellite TV Services, Kumasi – Ghana**

*IT Administrator, March 2013 to May 2014*

- Increased website traffic and conversion KPIs with targeted SEO strategies
- Developed an e-commerce platform to sell company products and services
- Trained colleagues in the use of IT to increase their productivity
- Technologies used: WordPress, PHP, MySQL, Bootstrap, JavaScript, Windows Server, DSTv SMA.

**Sikka 89.5 FM, Kumasi – Ghana | [www.sikkafmonline.com](http://www.sikkafmonline.com)**

*Web Designer, August 2012 to March 2013*

- Increased website traffic with targeted SEO strategies.
- Wrote and published 10+ articles per day totalling 50+ posts per week company blog
- Trained colleagues in HTML and WordPress shortcuts to increase team productivity
- Technologies used: WordPress, PHP, MySQL, Bootstrap, HTML, CSS, JavaScript, Linux Server.

## PROJECTS

**SwiftGO (Ride-sharing App)** Swift-Wheels Transport Limited, Accra, Ghana | [www.swift-wheels.com](http://www.swift-wheels.com)

*Lead Developer, February 2020 to date*

- Developed ride-sharing application for Android, iOS and Web
- Developed USSD Applications to enable feature phones' access to core systems
- Integrated mobile payments (Mobile Money and VISA/Mastercard)
- Technologies used: PHP, MySQL, Flutter, Dart, Java, Swift, Bootstrap, HTML, CSS, JavaScript, Linux Server, Mobile Payments.

**Election Hub, Accra, Ghana | [elections.asaaseradio.com](http://elections.asaaseradio.com)**

*Lead Developer, December 2016 and December 2020*

- Developed election collation software to automate election results counting processes
- Developed election history and analysis system to present data and analysis based on past elections
- Trained employees in the use of IT to increase their productivity at election collation
- Technologies used: PHP, MySQL, Bootstrap, HTML, CSS, JavaScript, Linux Server.

**Hospital Management System, Northern Community Eye Hospital, Tamale, Ghana | [www.ncehgh.com](http://www.ncehgh.com)**

*Lead Developer, February 2020*

- Developed eye hospital management and billing system to automate hospital processes
- Developed USSD Applications to enable feature phones' access to core systems
- Integrated mobile payments (Mobile Money and VISA/Mastercard)
- Technologies used: PHP, MySQL, Bootstrap, HTML, CSS, JavaScript, Linux Server.

**e-Insure Insurance Platform (Software-as-a-service), Lagos – Nigeria | [www.einsure.website](http://www.einsure.website)**

*Lead Developer, July 2019 (Maariba)*

- Developed an insurance management system to automate processes of insurance companies
- Developed USSD Applications to enable feature phones access to core systems
- Integrated mobile payments (mobile money and VISA/Mastercard)
- Technologies used: PHP, MySQL, Bootstrap, HTML, CSS, JavaScript, Linux Server.

**Asante Kotoko Portal, Kumasi – Ghana | [asantekotoko.com](http://asantekotoko.com)**

*Lead Developer, June to August 2017*

- Developed mobile application for Kumasi Asante Kotoko Sporting Club
- Trained employees in the use of IT to increase their brand reach and post stories including videos to fans
- Developed online polls, and supporters' monthly subscriptions
- Technologies used: PHP, Mobile Payments, NodeJS, MySQL, Bootstrap, HTML, CSS, JavaScript, Linux Server.

**Hospital Enterprise Resource Planning System (Software-as-a-service), Komfo Anokye Teaching Hospital (KATH), Kumasi – Ghana | [www.kath.org](http://www.kath.org)**

*Research Project, January 2017*

- Developed hospital management and billing system to automate hospital processes
- Developed USSD Applications to enable feature phones' access to core systems
- Integrated mobile payments (mobile money and VISA/Mastercard)
- Technologies used: PHP, MySQL, Bootstrap, HTML, CSS, JavaScript, Linux Server.

**MyAir Radio Automation and Billing System, Kumasi, Ghana | [www.devsarfo.com](http://www.devsarfo.com)**

*Founder and Lead Developer, May to August 2016*

- Developed radio automation and billing software to automate company processes
- Trained employees in the use of IT to increase their productivity at media houses
- Introduced radio scheduling that media houses adopted and still use today
- Technologies used: C#, VB.NET, PHP, MySQL, Bootstrap, HTML, CSS, JavaScript.

## **LEADERSHIP, SKILLS AND AWARDS**

**Awards:** Kodaphest 2016 Interschool IT Competition, Runner-up – GTUC

**Tools:** Excel, Google Analytics, WordPress, Adobe Photoshop, Figma

**Technical:** HTML/CSS, PHP, MySQL, Java, JavaScript, C#, VB.NET, ASP.NET, C++, MS SQL, Python, Git, Amazon AWS, Google Cloud Platform, Linux Server Administration, Microsoft Azure

**Spoken Languages:** English

## EDUCATION

**Ghana Technology University College, Faculty of Informatics** | January 2014 – December 2017

- B.Sc. in Information Technology | First Class Honours | CWA: 74.56
- Courses: Principles of Programming Language, Data Structures and Algorithm, Data Communication and Networks, Databases, Software Engineering, Operating Systems, Discrete Mathematics, Calculus, Compilers and Translators, Artificial Intelligence