Bernard Sarfo Twumasi

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EXPERIENCE

DataDrivenFinance AS, Grimstad – Norway | www.ddfinance.com
Software Developer (NOREC Participant), April 2020 – Present
- Develop mobile and web applications as well as website
- Builds analytics reports using insights extracted from the database
- Integrate mobile payments (mPesa Direct/PayBill) into core systems
- Develop USSD Applications to enable feature phones access to core systems
- Technologies used: C#, Typescript, JavaScript, VueJS, Angular, PostgreSQL, Linux Server, Microservices Architecture, Docker.

Maariba Limited, Tema – Ghana | www.maariba.com
Software Engineer (IT Systems Manager), August 2018 – December 2021
- Develop mobile web applications as well as website
- Develop Back-end for mobile app clients
- Builds analytics reports using insights extracted from database
- Integrate mobile payments (mobile money and VISA/Mastercard) into core systems
- Develop USSD Applications to enable feature phones access to core systems
- Lead Developer for e-Insure Insurance Platform (Web, Mobile, USSD)
- Technologies used: Java, RESTful APIs, PHP, MySQL, Bootstrap, HTML, CSS, JavaScript, Python, Linux Server, Microservices Architecture.

JimahTech Limited, Kumasi – Ghana | 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 SQL database
- Technologies used: C#, Java, WordPress, PHP, MySQL, Bootstrap, HTML, CSS, JavaScript, Python, ASP.NET.

Bohye Multimedia (Bohye 95.3 FM & Gye Nyame 94.5 FM), Kumasi – Ghana | www.bohyeonline.com
Systems Administrator, May 2014 to June 2017
- Increased website traffic and conversion KPI's with targeted SEO strategies
- Wrote and published 10+ articles per day totaling 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 | www.overmarstv.com
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

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

DDFinance Client Portal (Insurance Software), Lillestrom – Norway and Kenya **|** www.ddfinance.com

Software Developer (NOREC Participant)
- Develop client portal/mobile application to purchase products, and to manage policies and claims
- Develop USSD Applications to enable feature phones access to core systems
- Integrated mobile payments (mPesa Direct/PayBill - Kenya)
- Technologies used: C#, VueJS, Angular, Material, HTML, CSS, JavaScript, Linux Server.

DDFinance Website and e-learning, Lillestrom – Norway and Kenya **|** www.ddfinance.com

Software Developer (NOREC Participant)
- Develop a website for DataDrivenFinance AS to present the company to clients and investors
- Integrated e-learning platform for trainers
- Technologies used: PHP, MySQL, Material, HTML, CSS, JavaScript, Linux Server.

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

Lead Developer, February 2020
- 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: Mobile Payments, PHP, MySQL, Flutter, Dart, Java, Swift, Bootstrap, HTML, CSS, JavaScript, Linux Server.

Election Hub, Accra, Ghana **|** elections.asaaseradio.com

Founder and 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: C#, VB.NET, PHP, MySQL, Bootstrap, HTML, CSS, JavaScript, Python, Linux Server.

Hospital Management System, Northern Community Eye Hospital, Tamale, Ghana **|** www.ncehgh.com

Founder 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: C#, Mobile Payments, PHP, MySQL, Bootstrap, HTML, CSS, JavaScript, Linux Server.

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

Lead Developer, July 2019 (Maariba)
- Developed 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, Python, Linux Server.

Asante Kotoko Portal, Kumasi – Ghana **|** asantekotoko.com

Lead Developer, June to August 2017

- Develop a 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.

DevSarfo School Management System, Kumasi – Ghana **|** devsms.devsarfo.com
Founder and Lead Developer, January to May 2017
- Developed school management system to automate processes of educational institutes
- Trained employees in the use of IT to increase their productivity at educational institutes
- Introduced online exams and subject-wise attendance that local educational institutes adopted
and still uses today
- Technologies used: PHP, MySQL, Bootstrap, HTML, CSS, JavaScript, Python, Linux Server.

Hospital Enterprise Resource Planning System (Software-as-a-service), Komfo Anokye Teaching Hospital
(KATH), Kumasi – Ghana **|** 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: C#, Mobile Payments, PHP, MySQL, Bootstrap, HTML, CSS, JavaScript, Linux Server.

MyAir Radio Automation and Billing System, Kumasi, Ghana **|** 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 uses today
- Technologies used: C#, VB.NET, PHP, MySQL, Bootstrap, HTML, CSS, JavaScript, Python, Linux Server.

LEADERSHIP, SKILLS AND AWARDS

Awards: Kodaphest 2016 Interschool IT Competition, Runner up – GTUC
Tools: Excel, Google Analytics, Salesforce, WordPress, CS Cart, Adobe Photoshop
Technical: HTML/CSS, Python, Git, PHP, MySQL, Java, JavaScript, C#, VB.NET, ASP.NET, C++, MS SQL, 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, Compliers
and Translators, Artificial Intelligence