

Bright Okona

Experienced Software analyst
Microsoft Certified Application Developer
Database Administrator and Hardware Engineer
BSc. Computer Science

Phone: +234-08035137033
E-mail: bright@brightokona.com , brightokona@gmail.com
Skype: brightokona



Summary

Senior software applications programmer (web, desktop and mobile) and Telecom API engineer. Over 5 years of Anti-corruption data analytics experience developing mobile apps, analytics portals, data-crunching algorithms and training to support citizen empowerment.

Overall, 12 years of experience designing and developing software applications for a variety of industry and government sectors including mobile apps, SMS tools, call center applications, secure architectures, middleware technology, user interface design and cloud applications. Also administered Satellite based television and communication equipment.

Projects

Kaduna State Sustainable Health Commodities System (KADUNASHCS) - *Bill and Melinda Gates Foundation sponsored Drug distribution project in Kaduna State, Nigeria.*

- Developed a secured system for tracking the activities of drugs dispensation facilities and health workers in each LGA in the state.
- Implemented an SMS based data reporting system for health workers in remote villages to be able send in their drug dispensation reports and authenticate prescriptions.
- Implemented a reward system for tracking drugs dispensed by each health worker and rewards them in points which are redeemable in cash and recharge vouchers.
- Implemented data analytics and statistics of drugs dispensed.
- Implemented automatic daily report generation and submission to the global foundation server.

Pay No Bribe (PNB) - *UK-Aid and Anti-Corruption Commission (ACC) Sierra Leone.*

- Developed an extortion reporting and analytics system for people to report corruptions and extortions, harassment and unnecessary delays while requesting for services in different government sectors in Sierra Leone.
- Implemented advanced data analytics and statistics for computing and analysing reported incidents.
- Developed mobile applications (*android and iOS*) for corruption reporting that features easy to use incident parameter selections for victims to report incidents such as extortions, delays and harassments while requesting for services in government sectors.
- Developed special versions of the mobile apps (*android and iOS*) with features for voice assistance to enable semi-educated individuals to report incidents. The voice prompts were available in the three major local languages in Sierra Leone.

Trade Route Incident Mapping System (TRIMS) - GIZ sponsored, Federal Ministry of Trade & Ogun State

- Developed mobile applications (*android, iOS, Blackberry and Windows phone platforms*) for traders to report incidents such as extortions, delays and harassments along the trade route.
- Developed a middleware that integrated with a longcode and shortcode SMS service for traders to report incidents.
- Developed the TRIMS website with the incident mapping and statistics function showing the incidents from the mobile app and SMS platforms with markers.
- Provide periodic uptime report and usage statistics for the TRIMS website, SMS and mobile apps.

ALERT (Whistle blowing USSD platform) - an ICGLR sponsored project for reporting illegal mining activities in the republic of Congo using USSD.

- Developed USSD integration with the telecoms in DRC to generate USSD menu and process incident reports.
- Created a web-based case management system for managing incidents.
- Worked closely with the telecoms operators in setting up secure VPN tunnel for secure connectivity with ALERT.
- Performed general project management and follow up with all stake-holders.

Construction Contractors Management Process (CCMP) - a Chevron Nigeria Limited owned project for equal distribution of contracts and jobs among local content contractors. The system provided fair and equal distribution of projects among registered contractors using some advanced bidders selection process built into the system to generate list of bidders for every project.

- Developed the system using ASP from an offshore location in Escravos while working closely with the construction contracts group.
- I later re-wrote the application in ASP.NET following the upgrade in Chevron's application platforms.

Revenue collection and administration system - Board of internal Revenue, Plateau State Nigeria.

- Designed and developed an information portal to provide the public every information they need on tax related matters.
- With feature for self-tax-assessment, savings calculators, form downloads, announcements, guides and FAQ, etc.

Cooperative administration and accounting system - Originally sponsored by Chevron Cooperatives in Escravos for managing the contributions, loans and re-payments of the cooperative members.

- Designed and developed the system while working the group in Escravos.
- I later upgraded the system with the ability to manage any other cooperatives.

Downstream oil and gas distribution management System - sponsored by AA Rano Oil and Gas Ltd (client: Hypercomm Networks).

- Developed a web based application that takes care of all the activities of the sponsor, from product purchase to bridging, sales to distributions, trucks activities and oil subsidies claim reports.
- Developed an android app for depot reps to use for processing product bridging and distributions at depot locations.

Teleconference portal - a project owned by DigitalMediaPlus.

- Designed and developed a web portal for users to schedule conference call with multiple participants.

Instant Airtime, Data, Utility and Digital TV top up Android app - a project owned by DigitalMediaPlus.

- Designed and developed a web portal for users to instantly top up their phone credit, Digital TVs, Utility bills, etc.
- Developed an android mobile app for users to use the service.

Digital TV subscribers Registration and activation system (Digital Switch over TV)- sponsored by Nigerian Broadcasting Corporation (NBC) (client: Contact Solutions Limited).

- Developed an SMS platform for customers to validate and activate their decoder boxes using SMS commands.
- Developed a self-service Interactive Response System (IVR) for customers to validate, activate, refresh and swap their decoder boxes.
- Developed a web platform for customer care agents to register and activate new customers.

MaxAgent customer information display based on Altigen and MS Dynamics- client: Contact Solutions Limited.

- Developed integration with Altigen which is used by customer care agents. The application pops up customer information from Microsoft Dynamics CRM when a call comes in.

Other projects- I have developed some other web, and mobile projects which includes.

- Hotspot billing system - a gateway billing system used by hotels and universities in Nigeria, based on miKrotic router. I developed the project while working at Kits Technologies.
- Point Of Sale Solution with Barcode support.
- Bulk SMS messaging System.

Mobile place finder (Places around Me) - an android mobile app that shows the user important places such as hotels, churches, markets, etc close to his location with direction on how to get to selected place. The project was developed for entry into one of MTN Nigeria developer competitions.

Demonstrated Skills

- Design and architecture of web development projects
- Programming experience of server side, middleware and user-interface for enterprise class applications
- Mobile Application Development (Android, iOS, Blackberry and Windows phone) Native and Hydride experience.
- USSD, SMS and IVR implementation.
- Call center service administration and integrations.
- Network Administration & Server maintenance.
- Reporting & Metrics development
- Managing and administering Direct to Home (DTH) satellite TV stations.
- Basic configuration of Satellite TV transmission facilities.

Software/Application Programming Skills

- C#.NET, Android studio, Visual Basic .NET, ASP .NET
- Java, Wireless Java, J2ME
- HTML5, ASP, PHP, PERL, RUBY on RAILS, JavaScript, VBScript, XHTML.
- Glassfish enterprise server,
- AltigenMaxCS Call center management.
- Microsoft Word, Excel, PowerPoint, Access, Publisher, Outlook, Dreamweaver,
- Expression Web, SwiSHMax, Fireworks, SQL Server, CorelDraw etc.
- SQL Server, Oracle, MySQL, Microsoft Access, MS Excel, CSV Databases

Professional Experience

Stream House AG, Switzerland. - Sr. IT Engineer	2014 -Present
Chevron Nig. Ltd. -Senior Software Developer	2009 - 2014
Ceejay Communications	2008 - 2009
C.M.O.E - Application developer	2007- 2008
KITS Technologies, Team Leader, Solution Dev. Team	2006 - 2007

Certifications

Microsoft Certified Application Developer .NET	2007
Microsoft Certified Professional .NET	2007
Implementing Database Driven Website	2007
Diploma in Sun Java Architecture	2007
B.sc Computer Science	2006
Senior School Certificate.	2002
Primary School Certificate.	1996

Education

National Institute of Information Technology (NIIT)	2006-2007
Canterbury University	2002-2006
Hope Bay College	1997-2002
Omaebo Central School	1991-1996

Languages (Fluent)

English, Igbo, Yoruba,Hausa.