

Alhassan Osman

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PERSONAL STATEMENT

An experience web applications developer and advanced knowledge in the software development paradigm with over five years working experience as a IT software applications developer and manager. Quick to learn and adapt to new technology, equally successful in both team and self – directed environments of work. Proficient skills in a wide range of computer systems, programming languages, tools and testing methodologies. Academic and project experience has enabled the development of outstanding communication skills with fluency in English and other local Ghanaian dialects and an effective relationship builder with both clients and internal stakeholders. Also well organized, dedicated and goal oriented individual with leadership capabilities. In-depth experience of computers in business and associated application such as: Microsoft word, excel, PowerPoint, outlook, MS project, etc.

KEY ACHIEVEMENTS

- Recognised for consistently meeting and exceeding performance expectations and promoted to Assistant Manager of the IT Division and heading the applications development unit.
- Recognised for successfully implementing the National SIM Card Registration Exercise in Ghana as a project coordinator for the Authority
- Awarded scholarship to the Cranfield University for an MSc. in Computational and Software Techniques in Engineering in 2016/17.

EDUCATION

MSc Computational & Software Techniques in Engineering: Cranfield University, Cranfield, UK (September 2016 - September 2017) (Yet to be Completed)

- **Modules:** C++, Computational Methods, Computer Graphics, Management for Technology, Requirement Analysis & System Design, Software Testing & Quality Assurance, High Performance Technical Computing, Cloud Computing, Advanced Java and Small Scale Parallel Programming.
- **Group Design Project:** Applications in High End Computing: The aim of the assignment is to apply collective knowledge, from the modules you have attended during your MSc studies in Software Engineering for Technical Computing, on the area of fluid dynamics simulation and visualization
- **Individual Thesis (Yet to be Completed):** A Web-Based Application for Visualizing 3D Data Arising from Solution of a PDE.

MA Economic Policy Management: University of Ghana, Legon, Ghana (August 2013 – July 2014)

- **Modules:** Programme & Project Management, Development Economics, Financial Management, Strategic Management, Econometrics, Rural Economy, Microeconomics for Policy Analysis, Macroeconomics for Policy Analysis, Effective Communications, Research Methods, Public Sector Economics, Economics Policy Seminar, Mathematical & Statistical Methods for Policy and Managerial Accounting.
- **Individual Thesis:** The transition from analogue to digital broadcasting, an examination of the various options of incentivizing the consumer and its impact on the Ghanaian economy

B.ED Computer Science: University of Cape Coast, Ghana (August 2006 – May 2010)

- **Modules:**
- **Individual Project Work:** An Online system that allows senior members and senior staffs of the university to apply for new appointments and promotions through the Internet instead of the usual manual system.

CAREER HISTORY

National Communications Authority (NCA): Accra – Assistant Manager, IT (January 2016 – September 2017)

- Successfully developed a Complaint Management system (<http://complaints.nca.org.gh>) for the Authority to enable complainants lodge complaints online.
- Managed the Implementation of the Government's E-Learning Management System for the Authority and trained staff members on the usage of the system.
- Managed the successful development of the Authority's new website design (<http://nca.org.gh>).

National Communications Authority (NCA): Accra – Officer, IT (March 2012 – December 2015)

Established in 1996, the Authority is a Government regulator under the Communications ministry responsible for regulating the communications industry and its infrastructure in the country.

- Coordination of the SIM Registration exercise in Ghana by supervising over 20 contract staff to ensure the smooth verification of mobile phone subscribers to enable the project meet its objectives
- Assisted in the development and maintenance of the Real Time Verification System which is used to verify subscribers in real-time upon SIM Registration.
- Supervision of the Authority's IT helpdesk team to effectively deliver prompt IT support to all staff.
- Management of the Authority's current website (<http://nca.org.gh>) by regularly updating and improving certain features and content of the site.
- Currently leading a development team to redesign the Authority's website to enhance its look and feel and also bring up to scale with current web technologies.
- Developed a Type Approval and Dealership License portal (<http://portal.nca.org.gh>) for the Authority to enable its customers apply for these services online.
- Management of the software applications which are database driven by providing first hand support to the applications (ASMS system for Spectrum analysis and monitoring, ASCOM QoS system for the monitoring and measurements of the quality of service of the various mobile network operators, and the PERSOL & PASTEL systems for the Accountants) to enable the Authority deliver on its core mandate

National Communications Authority (NCA): Accra – National Service, IT (October 2010 – July 2011)

- Provided IT helpdesk support to the staff of the Authority.
- Member of a committee to carry out a revenue collection exercise for the Authority.
- Member of the SIM Registration exercise team to carry out monitoring of the registration exercise on the field across the length and breadth of Ghana.
- Assisted in the updating of the Authority's website content.

PROFESSIONAL DEVELOPMENT

- International Certification: PHP Zend Certified Engineer
Koenig Institute, India, August 2014
- Certificate: Advanced Certificate in Network Administration (CCNA)
**Ghana Institute of Management and Public Administration (GIMPA), November 2013
Accra, Ghana**
- Certificate: Introduction to ICT Policy and Regulation
**Commonwealth Telecommunications Organization, July 2013
Akosombo, Ghana**
- Certificate: Competition and Convergence
**Commonwealth Telecommunications Organization, July 2013
Akosombo, Ghana**

- Certificate: Scalable Internet Services (SSE)
African Network Operators Group (AfNOG), June 2013
Lusaka, Zambia
- Certificate of Appreciation: West African Cybersecurity and Cybercrime workshop
US Department of State and the US Department of Justice, January 2013
Accra, Ghana
- Certificate: Advanced Certificate in Database Administration
Ghana Institute of Management and Public Administration (GIMPA), October 2012
Accra, Ghana
- Certificate: Wireless Network Security Workshop
Ghana Telecom University College (GTUC), September 2011,
Accra, Ghana

CONFERENCES AND WORKSHOPS

- Annual Cyber Security Forum, April 2013
Yaounde, Cameroon
- ITU-T Study Group 11: Signaling and Test Protocols Specifications
International Telecommunications Union Headquarters, March 2013
Geneva, Switzerland
- Microsoft OPEN DOOR Conference
Accra International Conference Centre, April 2011
Accra, Ghana

SKILLS, INTERESTS & EXTRACURRICULAR ACTIVITIES

- **Languages:** Fluent English, Twi, Fante, Hausa, Dagomba and Ga.
- **IT Skills:**
 - **IDE:** Eclipse, Visual Studio, Dreamweaver
 - **Hosting:** Virtual Hosting (using apache on Ubuntu Linux Server), CPanel
 - **Data Recovery tools:** TuneUp Utilities, Power Data Recovery
 - **Methodologies:** Waterfall, RAD.
 - **XML:** XML Schema, DTD, XPath
 - **Programming Languages:** C++, C, PHP, SQL, HTML, JavaScript, CSS, basic knowledge in Qt, Java, OpenMP.
 - **Servers:** Windows Server 2003 and Ubuntu Linux Server
 - **Operating Systems** Windows XP, Windows Vista, Windows 7, Server 2003, Linux (Ubuntu Desktop, Ubuntu Server)
 - **Virtualization Platform:** Oracle VirtualBox
 - **RDBMS/Tools:** MySQL, Microsoft Access
 - **Networking:** Subnetting, Routing, Cabling, Trunking
 - **Content Management:** Wordpress
- **Individual Interests:** Reading, listening to music, scrabble, swimming and teaching.
- **Volunteering:** Trustee of a charity, Born to be Beautiful. Treasurer of Cranfield Motorsport Society, responsible for the organisation of events such as trips to Silverstone.