

# Sibdow Iddrisu

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## Summary

3+ years of hands-on experience in the telecom industry working on various sophisticated telecommunications devices from the access network through to the transmission devices/links and core network. Extensive experience in software development with Java, Python, JavaScript and various web technologies through my education, internship and personal studies.

## Education

### Master of Science – Computer Science

Sept 2017 – Sept 2019

University of Regina, Regina, SK (GGPA: 88/100)

### Bachelor of Science – Computer Science

Aug 2010 – June 2014

Kwame Nkrumah University of Sci. & Tech., Kumasi, Ghana (CWA: 68.64/100)

## Work Experience

### Network Operations Center (NOC) Engineer

Aug 2014 – Aug, 2017

Huawei Technologies (S.A) Ltd., Accra, Ghana

- Monitored, troubleshoot, and escalated (if necessary) all fault alarms on cell sites and devices
- Assisted the back-office teams with IP addresses and other data during fault troubleshooting
- Guided and provided support to field service engineers working on a cell site
- Prepared various reports to inform management of what was the current state of the telecommunication network as well as handover reports for the next team taking over
- Monitored and oversaw change requests by engineers on telecom sites
- Assisted the OSS team with the testing and verification of new software for the organization

### J2EE Software Engineer (Summer Internship)

2012 (summer)

Sabonay Technologies Ltd., Kumasi, Ghana

- Analyzed existing systems for opportunities for redesign
- Enhanced the M-Search system with other team members using the J2EE stack
- Designed and developed the user facing web pages (views) using Java Server faces (JSF) - XHTML
- Linked the various UI to their controller (managed beans) with the Expression Language (EL)
- Wrote various EJB code that made use of the Java Persistence API (JPA) to connect the application with the SQL database
- Prepared documentations for the various software systems
- Assisted other development teams in testing and verifying their applications

## Skills & Experience

### Technical

- Troubleshoot and resolved telecommunications network failures
- Acquired and applied software engineering principles to design and build computer software

- Ability to work with current technologies in IoT and WSNs
- *Related courses:* Software Engineering, Artificial Intelligence, Information Visualization, Database Systems, Information Retrieval, Internet of Things (IoT), etc.

## Research & Projects

University of Regina (academic)

- ***Home Fire Detection and Prevention (Internet of Things), July 2019:*** Collaborated with a team member to design and develop an Arduino based IoT system that is able to detect and prevent the common occurrences of fires in our homes.
- ***Recommender System (Artificial Intelligence), April 2019:*** Designed and developed a recommender system using the various techniques available. Made use of the Python programming language and also conducted a comprehensive research into the subject matter.
- ***BiRDSApp (Software Engineering), April 2018:*** Worked with a team member to design and develop a computerized system to aid in the birth and death registration process in Ghana. We made use of the J2EE web technology stack, Maven build tool and various software design patterns, including the Observer and Template design patterns. The MVC architecture was also applied in this project and a comprehensive documentation was prepared, which included various UML diagrams, and could be read and understood by all individuals (either with technical knowledge or not)

Kwame Nkrumah University of Science and Technology (academic)

- ***TourGuide (Final Year Project), April 2014:*** Collaborated with a team member to designed and build an Android based mobile application that is able to assist tourists find places of convenience, such as restaurants and accommodation.

## Computer

- **Programming:** Java (J2EE, EJB, JSF, JSP, JPA, Servlet), C++, Python, Arduino C
- **Software:** MySQL, Firebase, Linux, Windows, Git, Postman, npm
- **Web Technologies:** JavaScript, TypeScript, CSS, HTML, XML, XHTML, JSON, Angular, NodeJS, RxJS, Bootstrap, ES6

## Certificates & Other Education

- First Aid, WHMIS, CSTS-09, H2S Alive 2018
- LTE L15 Operation (LZU1089934), Ericsson Academy, Accra – Ghana 2016

## Membership and Activities

**Membership:** UoR Ambassador Program

Dec 2017 – Apr 2018

**Volunteer:** Cleaning and sanitation sensitization in our communities – Participant

2012 & 2013

**Activities:** Reading, jogging, soccer, travel, meditation, languages

## Profile and Links

[LinkedIn](#)

[GitHub](#)

## References

Available upon request