

Simeon Ayo BABATUNDE

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Career Overview

A resourceful data engineer and embedded systems researcher. Passionate and dynamic, with hands-on experience in Internet of Things (IoT), big data analytics and software engineering. Effective in leadership, collaborating and exceptional in taking up challenges. Working toward becoming a research leader in the emerging field of IoT and Artificial Intelligence.

Employment History

Graduate Assistant **Aug. 2017 – Present**
School of Computing, Clemson University, – Clemson, SC, USA.

- A member of the PERSIST Lab., and currently working on batteryless sensor networks.
- Hold Laboratory sessions, office hours, and helping students to master class materials on C/C++ programming.
- Grading lab. reports and assisting the course instructor in ensuring seamless knowledge transfer to the students.

Data Engineer **Dec. 2015 – Jul. 2017**
Venture Garden Group, – Oregun, Lagos State, Nigeria.

- Identify business problems to be solved with analytics and communicate findings to business decision makers.
- Derive real-time and near-real-time insights, pattern recognition and predictive analysis on major economic sectors (Power, Aviation and Agriculture), for the Federal Government of Nigeria.
- Research, architect and manage Enterprise Data Hub infrastructure built on Apache Hadoop ecosystem.
- Design & Implement Data processing pipelines and advanced analytics.

Software Developer & Data Analytics Researcher **Aug. 2014 – Nov. 2015**
Splashers Technologies Limited, – Isheri North, Lagos State, Nigeria.

- Team Lead, Mobile Application Development. Won the Outstanding Contribution to Consolidation Goals Award, October 2015.
- Research, adopt and implement latest web, mobile and data technologies for creating advanced and innovative solutions.
- Ensured new members of the mobile development team were trained and mentored on adoption and utilization of key technologies used by the team.

Academic Qualifications

- **Doctor of Philosophy, Computer Science** **2017 – 2022 (Anticipated)**
Clemson University – Clemson, South Carolina, USA.
- **Bachelor of Science, Computer Engineering** **Sep. 2014**
Obafemi Awolowo University – Ile Ife, Osun State, Nigeria.
 - ✓ First Class Honors, CGPA of 4.6 on a 5.0 scale
 - ✓ Second best graduating student in the department of Computer Engineering.
- **National Diploma, Electrical and Electronics Engineering** **Sep. 2008**
Federal Polytechnic Ilaro – Ogun State, Nigeria.
Distinction, 3.8 CGPA on a 4.0 scale. Graduated as the Best Engineering Student.

Key Skills and Competencies

- Deep understanding of big data analytics. Comfortable using Python, R, C/C++, Java, Spark, Hadoop, Sqoop, Hive, Pig, Kafka, Flume, Scikit-learn, Jupyter Notebook, ELK Stack (ElasticSearch, Logstash, Kibana), X-Pack, StreamSets Data collector, and Tableau.
- Excellent knowledge of software engineering (Mobile and Web). Proficient in Nodejs, Python, Android, SQL, JavaScript, and Version Control System (Subversion and Git).
- Johns Hopkins University trained and Data Scientist, through the Massive Open Online Course (Coursera).
- Good working knowledge of electronics and embedded systems design. With hands-on experience in circuit design using AUTODESK EAGLE, TI MSP430 Microcontrollers, Low Power/Battery-less Computing, Energy Harvesting, Analog/Digital systems, Robotics, Mechatronics, and Wireless Sensor Networks.
- Developed an Autonomous Line Following Robot. <http://www.youtube.com/watch?v=tuIHq4XoWwU>
- PMPI trained Project Management Professional, with seasoned experience managing small and medium scale projects.
- Good team player, able to communicate information and ideas to others in an understandable manner.
- Excellent problem solving skills, coupled with strong analytical skills.
- Ability to carry out extensive troubleshooting procedures on systems (Desktop and Laptop computer systems).

Extracurricular Experience

- Student Member, Association for Computing Machinery (ACM), and Institute of Electrical and Electronics Engineers (IEEE).
- President, ICT Community Development Service Group, Ojodu (NYSC, 2015). Coordinated the development and deployment of a web application aimed at automating all manual processes. Organized training sessions and hands-on code labs for the entire team members.
- Successfully led a team of developers in architecting and developing a mobile application during the Google Africa Information Technology Initiative (AITI) program held in Obafemi Awolowo University.