

Simeon 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. Interested in building tools and technologies that enable tiny batteryless sensors to power the intelligent IoT. Working toward becoming a research leader in the emerging fields of AI and IoT.

Employment History

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

- A member of the PERSIST Lab., and currently researching efficient communication protocol for tiny batteryless sensors.
- Coordinate TAs and assisting course instructor in ensuring seamless content delivery.
- Hold lab. sessions, office hours, and helping students to master class materials on C/C++ programming.

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

- Developed and managed the first Enterprise Data Hub (EDH) built on Apache Hadoop ecosystem.
- Powered the data driven governance initiative in Nigeria through advanced and predictive analytics.
- Identified business problems to be solved with analytics and communicated findings to business decision makers.
- Won the first data science boot camp competition.

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.
- Developed the first mobile solution for financial settlement among key stakeholders within the Nigerian power sector.
- 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 and wireless sensor networks. 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).
- 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.
- Johns Hopkins University trained and Data Scientist, through the Massive Open Online Course (Coursera).
- 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 computer systems (Desktop and Laptop).

Extracurricular Experience

- Student Member, Association for Computing Machinery (ACM), and Engineers without Borders, Clemson chapter.
- President, ICT Community Development Service Group, Ojodu (National Youth Service). 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 at Obafemi Awolowo University, Ile Ife.