

# ECHEGINI, NGOZISILAS

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**SUMMARY:** A highly skilled software developer/Network Engineer, who combines excellent interpersonal skills, strong analytical skills and problem-solving abilities towards delivering amazing end-user experience.

**LinkedIn:** <https://www.linkedin.com/in/silasngozi>

**My Website:** <https://ngweb.herokuapp.com/>

## EDUCATION:

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### **Master of Applied Science: Systems and Computer Engineering**

Carleton University–Ottawa, Canada

09/2018

### **Bachelor of Engineering: Electronics and Communication Engineering (Honors)**

All Nations University College–Koforidua, Ghana

09/2012

## SOFT SKILLS:

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- Teachable, which has over time, helped me develop my technical and personal skills
- Demonstrated ability to solve problems creatively and effectively which has led to employee recognition
- Ability to work independently and in a team, towards developing and supporting outstanding applications
- Excellent visual design skills with sensitivity to user-system interaction
- Excellent writing and verbal skills and a demonstrated ability to coordinate effectively with team members.

## TECHNICAL SKILLS

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- Experienced with C++, JAVA, C#.NET, PowerShell scripting, JavaScript, HTML and CSS
- Demonstrated knowledge of industry and W3C coding best practices in building responsive web applications across all platforms and devices.
- Working knowledge of back-end technologies (PHP, Python and Node.js) as well as databases - MySQL
- 4+ years experience with version control tools - Git and GitHub, and integration tools like Jenkins.
- Excellent knowledge of major cloud service providers, like AWS, Azure
- Hands-on knowledge of software containerization platforms like Docker and container orchestration tools like Kubernetes and Docker Swarm
- Comfortable with Microsoft Windows (All versions), Linux distribution and Mac OS.
- Proficient in all Microsoft office packages, with emphases on Excel, Access and SharePoint

### **Networking and DevOps:**

- Knowledge of LTE systems, Mobile computing Systems, and Software Defined Networks.
- Working Knowledge of WLAN/ LAN; routing technologies (UDP, TCP/IP, BGP, EIGRP).
- A good Orientation of infrastructure-based and Ad-hoc Networks Technologies and standards
- Hands-on experience with network simulator/analyzer such as NS2, OMNET++, WireShack.

## PROFESSIONAL EXPERIENCE

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### **Intermediate Systems Developer/Integrator – Business Applications:**

**City of Ottawa**

**11/2019 - present**

I joined the Business Applications team at the City of Ottawa as a Systems Developer and integrator, focused on the development and management of the City's Dynamics 365 CRM tool and MS Azure Administration. My day to day includes:

- Developing windows desktop applications in C#, and web applications using HTML, CSS and Java Script.
- Implementation of corporate standard solutions like plugins in Microsoft Dynamics 365 online using C#.

- Implemented Bash and PowerShell scripts to automate day to day tasks in Jenkins.
- Configured Azure Multi-Factor Authentication (MFA) to securely authenticate users.
- Leveraged Jenkins as a full cycle continuous delivery tool involving package creation, distribution, and deployment via PowerShell scripts embedded into Jenkins jobs.

### **IT Solution Analyst (Corporate Services):**

**City of Ottawa**

**01/2019 – 11/2019**

- Provided MS\_OFFICE\_365 suit support for all city staff
- Remote desktop, troubleshooting of enterprise network and servers, software updates and security patches
- Administration and management of the City of Ottawa's SharePoint environment using **C#, .Net framework** and providing end user support.
- Implemented plugins for IT Service Management tools like MARVAL using **Java and C#**
- Group policy implementation and administration via Active directory and **PowerShell**

### **Wireless Software Researcher/developer:**

**Solana Networks**

**11/2018 – 04/2019**

What I did as a contractor with Solana was related to my master's thesis research work on Mobile Ad-Hoc networks. I research on the best algorithms to leverage for geo location purposes in ad-hoc network environments.

- Implementation of MANET specific routing algorithms using **C++**
- Built a network simulator software for geo-location computation first using **C++** and implemented **RESTful APIs**; Performed testing and automation with tools such as enzyme, jest and chai.
- Simulation and analysis of algorithms on real-time network testbeds.

### **IT Service Desk Analyst:**

**Nova Networks, Ottawa, Ontario**

**07/2018 – 01/2019**

My role at Nova network was network engineering and support inclined.

- To create and maintain email accounts on Microsoft servers and provision Virtual Machines
- Offered remote desktop assistance and troubleshooting of enterprise network (Cisco, HP, Fortinet) and servers (Microsoft Server, Linux, Solaris)
- Troubleshooting and resolving issues in enterprise Citrix environment
- Manage AD and Exchange user accounts, applicable group policies and restrictions
- Updated and maintained Cisco VoIP phone and voice mail system
- Worked with IT Service Management (ITSM) tools (Heat, OTRS, ServiceNow)

### **IT Solutions Analyst**

**Carleton University, Ottawa, Ontario**

**09/2017 – 11/2018**

- Worked with PHP, Python and JavaScript libraries such as jQuery to build various UIs/Admin interfaces for various in-house build systems
- Set up, troubleshoot and configure staff and student workstations.
- Install and maintain campus network printers and lecture theater electronic tools
- Provide onsite and remote IT support to faculty/staff and students for issues related to configuring electronic devices, remote desktop access using VPN, email, accessing campus IT resources, network access.
- Maintained PC's and deployed Windows (7, 8 & 10) 32 and 64-bit images on them.

### **Junior Software Developer:**

**National University Commission, Abuja, Nigeria**

**01/2013 - 07/2016**

- Wrote JSP and Servlets to add functionality to web application based on University Board requirements
- Developed UIs with JSP, JavaScript, HTML and CSS
- Used J2EE design patterns to create application, including utilizing EJB for business logic
- Created and executed test cases in JUnit for unit testing of application
- Developed new applications and added functionality to existing applications using Java/J2EE technologies
- Wrote SQL queries to retrieve data from the database using JDBC