

# Samuel Kelly Brew

Network Engineer - KNUST University  
Information & Technology Services

Certified Cisco Network Associate with a strong understanding of network administration and technologies. Four years of hands-on experience in UNIX installations, configurations and troubleshooting.

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Kumasi

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skellybrew

## AREA OF EXPERTISE

OSI & TCP/IP Models

Windows & Linux OS

Routing & Switching

IT & Computer Systems Support

Troubleshooting & Repairs

Customer Service Skills

System & Software Installations

Reporting & Documentation

Network Mapping & Traffic Analysis

Virtualization

Network Security

## PROFESSIONAL EXPERIENCE

### Network Engineer

KNUST - University Information & Technology Services

08/2014 - Present

Kumasi

UITS maintains a rich information-technology environment throughout the Kwame Nkrumah University of Science & Technology

#### Achievements/Tasks

- Worked closely with Vodafone & MTN in setting up the WiFi access on Campus
- Worked on providing a single sign-on feature across all applications
- Deployed Educational Roaming WiFi (eduroam) on Campus
- Install, configure and maintain network hardware, for example, Cisco routers and switches
- Participate in meetings with senior management with the intent of developing best practices
- Facilitate in UITS Boot Camps to train participants in networking technologies

Contact: Abraham Brew-Sam - 024-4272045

### National Service Personnel

KNUST - University Information & Technology Services

09/2013 - 07/2014

Kumasi

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#### Tasks

- Managed Mail Servers for Staff & Students
- Monitored departmental networks and troubleshoot proxy servers
- Serviced Servers and part of team responsible for the overall maintenance of the Network Operations Center and Data Center

Contact: Stephen Osei - 024-3015122

## TECHNICAL SKILLS

<b>Cisco</b>	ASR 1001-x, ASA 5585-X, 2960, 3850, 8500, 2800	<b>HP</b>	E5406, H3C 59505E, A9505
<b>Huawei</b>	ATN 910B, AR2201, NIP 6330, Quidway S3700, Quidway S2300	<b>Extreme Networks</b>	Summit X480, Summit X460
<b>Ericsson</b>	8052, Wi-Fi Manager	<b>Virtualization</b>	VMWare vSphere & Oracle Virtualbox
<b>Routing</b>	BGP, EIGRP, OSPF, RIP	<b>Operating Systems</b>	Windows Server 2003 -2012, Windows XP, 7, 8 & 10, Ubuntu Server & Desktop, Cent OS
<b>Software Proficiency</b>	Microsoft Word, Excel & PowerPoint, Conceptdraw	<b>Open Source</b>	Radius, DNS, Proxy, DHCP, Mail, Basic Scripting, VoIP, Ntop, Cacti, Nagios, Wireshark, perfSONAR

## PROJECTS

NICHE/GHA/261 - Strengthening the examination capacity of the Nurses and Midwives Council of Ghana (02/2017 – Present) [↗](#)

- Designed and Implemented the infrastructure installation of Routers, Firewalls, Switches and Servers to be used for the online examinations.

NICHE/GHA/269 - Preparing graduates for e-health and the private sector (colleges for nurses and midwives) (06/2017 – Present)

- Installation of IT Equipment across 11 Nursing & Midwifery Training Schools in the 3 Northern Regions

## CERTIFICATES

CCNA Routing and Switching (02/2016 – 02/2021) [↗](#)

*Cisco: License CSCO12945197*

CCNA Cyber Ops (03/2018 – 03/2021) [↗](#)

*Cisco: License CSCO12945197*

International Cyber Conflicts (02/2016 – 04/2016) [↗](#)

*Coursera: License JYLWKPE6WYHK*

Usable Security (03/2016 – 05/2016) [↗](#)

*Coursera: License BG6RDNM3ST4F*

Securing Digital Democracy (12/2015 – 02/2016) [↗](#)

*Coursera: License DEZEE3QZA4AF*

Cybersecurity and Its Ten Domains (06/2015 – 08/2015) [↗](#)

*Coursera: License Y4MG2XEECDNH*

## EDUCATION

### BSc. Chemical Engineering

Kwame Nkrumah University of Science & Technology

*08/2009 – 05/2013*

## CONFERENCES

2nd WACREN perfSONAR Training Workshop (10/2017 – 10/2017) [↗](#)

*West and Central African Research and Education Network*

- Focused on perfSONAR measurement meshes, learnt how to set up a new mesh and what it means to have a measuring point participate in a mesh.

WACREN BGP and Peering Workshop (03/2018 – 03/2018) [↗](#)

*West and Central African Research and Education Network*

- Workshop on BGP configuration and operation for NREN engineers with best current practices for peering with the WACREN network

Executive Briefing by Microsoft (03/2018 – 03/2018) [↗](#)

*Microsoft & Association of African Universities*

- Event was set in line with Microsoft's efforts to support Ghanaian member universities connect and work effectively with industry and private sector.

GARNET Campus Network Design & Operations Workshop (12/2018 – 12/2018)

*Ghanaian Academic and Research Network*

- Workshop on skills needed to design, build, operate and manage a tertiary education institution's campus network infrastructure according to current best practices.

## LANGUAGES

English

*Full Professional Proficiency*

Twi

*Limited Working Proficiency*

Fante

*Professional Working Proficiency*

## INTERESTS

Football

Puzzles

Tech Security

Web Design

## REFERENCES

Francis Osae Agyei - Director, University Information & Technology Services - KNUST

*Contact: director.uits@knust.edu.gh – 054-2545695*

Abraham Brew-Sam - Head, Network Operations & Infrastructure Department, UITS-KNUST

*Contact: abraham@knust.edu.gh – 024-4272045*