

Kouadio Rodrigue N'GORAN : Engineer - PhD in Computer Science

✉ drigos1er@yahoo.fr 📞 +33751130224

📍 655 Avenue du Technopole, 29280 Brest, France - LinkedIn: <https://www.linkedin.com/in/krngoran> - Site web: <https://krngoran.com>

EXPERIENCE

Cybersecurity research Engineer (PhD student)

10/2020 - 12/2023

Lab-STICC Laboratory - IMT Atlantique, Brest, France

- Proposed a decentralized identity management model based on blockchain technology and decentralized identifiers.
- Developed an algorithm for assessing trust between organizations in a community cloud.
- Proposed an access control model that integrates the notions of social context, security context and multi-agent technologies.
- Implemented of a Zero-trust security strategy (architecture and security mechanisms) for collaborative systems.

Web Technology and Cybersecurity Intern (advanced master's degree)

10/2019 - 01/2020

LUSSI Laboratory - IMT Atlantique, Brest, France

- Deployed a private cloud based on OpenStack technology for practical research and teaching purposes.
- Orchestration and provisioning of virtual machines and resources (computing power, storage, networks, etc.).

IT Engineer

04/2013 - 09/2019

ESATIC, Abidjan, Côte d'Ivoire

- Head of department and project teams.
- Supervised and coordinated IT department activities (user support, project management, service provider support, etc.).
- Developed business applications (e-learning, website, school management and student selection competitions) and database administration.
- Configured and administered servers and network equipment.

EDUCATION

Doctorate in Computer Science

10/2020 - 12/2023

LAB-STICC Laboratory, UMR 6285, IMT Atlantique, Brest, France

Title: Zero Trust security strategy in a community cloud environment

Defended December 15, 2023.

Jury: Chairman : Christophe CLARAMUNT (Professor, Ecole navale, Brest)

Supervisor : Yvon Kermarrec (Professor, IMT Atlantique, Brest)

Rapporteurs : Frédéric CUPPENS (Professor, Polytechnique Montréal), Jérémy

BUISSON (Associate professor, École de l'Air et de l'Espace, Salon-de-Provence)

Examiners : Jamal EL HACHEM (Associate professor, Université de Bretagne Sud,

Lorient), Jean-Louis TETCHUENG (PhD, Orange Labs, Rennes)

Advanced master's degree in Web Technology and Cybersecurity

2017 - 2019

IMT Atlantique, Brest, France

Software Developer - PHP/Symfony (Level 6 qualification, NSF 326t, RNCP registered)

09/2019 - 02/2021

OpenClassrooms, Paris, France

Computer networks and telecommunications Engineer

2012

Groupe Ivoire Académie, Abidjan, Côte d'Ivoire

Interests

■ Sport: soccer, running, hiking

■ Travel, Music, Reading

■ Community: Toastmaster International member

SKILLS

DevOps culture: Git, Github, Docker, Kubernetes, GitLab-CI, Jenkins, Ansible, Terraform, AWS, AZURE

The fundamentals of artificial intelligence, Data analysis, Deep Learning, CNN, ANN

Programming languages, databases and frameworks : PHP, Python, Java,HTML, JavaScript, LaTeX, SQL, MySQL, WordPress, Symfony, Moodle.

Languages: French (Native), English (Intermediate)

PUBLICATIONS

■ R. N'goran et al., "Blockchain-based Identity and Access Management in a Community", 2023 International Conference on Software, Telecommunications and Computer Networks (SoftCOM), IEEE,2023, DOI: 10.23919/SoftCOM58365.2023.102716 02.

■ K. R. N'goran et al., "Zero Trust Security Strategy for Collaboration Systems", 2023 International Symposium on Networks, Computers and Communications (ISNCC), Doha, Qatar, IEEE, 2023, pp. 1-6, doi: 10.1109/ISNCC58260.2023.10323911.

■ R. N'goran et al., "Community-OrBAC : un modèle de contrôle d'accès établi à partir des agents pour les systèmes de collaboration centrés sur la communauté ", Journées Francophones sur les Systèmes Multi-Agents, Cepadues Éditions,2023,ISBN : 9782383950349

■ R. N'goran et al. "Trust Assessment Model Based on a Zero Trust Strategy in a Community Cloud Environment", Engineering, 14(11):479–496, 2022. DOI: 10.4236/eng.2022.1411036

■ R. N'goran et al., "Shared Resource Quality Monitoring and Dynamic Trust Management in a Community Cloud", Open Journal of Applied Sciences, 12, 1898-1914, 2022. DOI: 10.4236/ojapps.2022.1211131

■ Kabore, R., Kouassi, A., N'goran, R., Asseu, O., Kermarrec, Y., & Lenca, P. (2021). Review of anomaly detection systems in industrial control systems using deep feature learning approach. Engineering, 13(1), 30-44