




# Ræn Kararou

DevSecOps Engineer,  
Systems Administrator

 <https://spicywolf.srht.site>


 [ren@kararou.space](mailto:ren@kararou.space)


 4096R/0714F8E6

## About


Self-starter whose development work is tempered through a self-taught approach and accepting new challenges, leaning on clear documentation and community teaching.


## Presentations

 Wireless Hacking 101  
*SecureSet Academy 2019*

 SSA Capture The Flag Tutorial  
*SecureSet Academy 2018*

## Teaching



 Substitute for SysAdmin 201  
*SecureSet Academy 2019*

 Hunt Analysis on Linux  
*root9B Teaching 2018*





## Education

Diploma in Cybersecurity  
**SecureSet Academy**  
*Aug 2017 - Dec 2017*

### Relevant Courses:

-  Systems Administration
-  Network Administration

### Educational Focus:

-  Network Routing Protocols
-  Firewall Administration
-  Logs Analysis
-  Packet Analysis

## Awards

BETA Wolf Award  
**SecureSet Academy**  
*December 2017*

Academic Award for Leadership, Teamwork,  
and Mentorship

## Work Experience





2022 – Present **Contractor - DevSecOps Engineer**

**CALTech Networks, LLC**

CALTech Networks is a managed services provider and professional services company. CALTech offers software development, system administration, security monitoring, network monitoring, private cloud infrastructure, and more.

The primary role of this position is to complete work on customer projects that involve software development and server administration with a focus on automating and streamlining the development to deployment pipeline. This role also features a focus on security and monitoring throughout the software development lifecycle.

Highlights of projects worked on include:

-  Deep-diving into a customer's half-million line codebase to add additional functionality and API connectivity, in just a few months
-  Reducing an estimated eighty hours of work to seven during rollout of a Windows feature across an entire customer network
-  Assisting in rearchitecting and remapping a core internal site's network
-  Setting up and configuring several internal services, including core network monitoring systems




2020 – 2021 **Incident Response Analyst**

**Flexential**

Flexential is a colocation center, MSP, cloud provider, and professional services company that serves several fortune 100 companies across three continents and more than 100 points of presence.

The Incident Response Analyst role includes many responsibilities, most important is to act as a first point of customer contact. Other responsibilities include acknowledging and fielding security, network, backup, and systems incidents.

Additional roles taken while at Flexential included:

-  Taking an active role in organizing, reformatting, editing, and creating documentation, both technical and procedural
-  Acting as a Linux-centric SME, including taking charge of highly complex cases in which hard to diagnose bugs were responsible for abnormal or unexplainable behaviour
-  Heading up the LGBTQIA+ Diversity, Equity, and Inclusion initiative, maintaining close contact with several C-Level executives in order to help make the workplace a safer and more comfortable space for all employees






2018 – 2019 **Network Defense Operator**

**root9B**

root9B (acquired by Deloitte) was a managed security services provider serving fortune 100 companies and various high profile customers. In addition, root9B offered penetration testing, security auditing, digital forensics, and security software.

Network Defense Operators were required to create and manage tickets around security incidents, analyze log data, and communicate with customer security teams to coordinate incident response. This role was also responsible for weekly and special report preparation, as well as incident response data enrichment to create a comprehensive security snapshot for customers.

Several additional roles and tasks completed while at root9B included:

-  Singlehandedly administering a several hundred Terabyte multi-node Apache Hadoop cluster
-  Developing and packaging a tool to securely scrape, index, and create actionable threat intelligence from DarkNet hacker forums
-  Diagnosing, documenting, and remedying issues caused by a transparent firewall within the first week of the job
-  Architecting, installing, and configuring a clustered Splunk SIEM for internal use capable of indexing an upwards of 100 gigabytes of data per day despite no prep time and several network level issues
-  Assisting in architecting and configuring an ElasticStack-based SIEM capable of processing 300 gigabytes of log data per day with full TLS encryption for all data in transit

# Ræn Kararou

DevSecOps Engineer,  
Systems Administrator

## Soft Skills

Communication	● ● ● ● ●
Teamwork	● ● ● ● ●
Problem-solving	● ● ● ● ●
Adaptability	● ● ● ● ●
Resourcefulness	● ● ● ● ●

## Programming

Rust	● ● ● ● ●
C	● ● ● ● ●
C++	● ● ● ● ●
Python	● ● ● ● ●
C#	● ● ● ● ●
JavaScript	● ● ● ● ●

## Systems

Linux	● ● ● ● ●
Windows	● ● ● ● ●
macOS	● ● ● ● ●
illumos	● ● ● ● ●
BSD	● ● ● ● ●

## Version Control

git	● ● ● ● ●
Mercurial	● ● ● ● ●
CVS	● ● ● ● ●
SVN	● ● ● ● ●

## Documents

LaTeX	● ● ● ● ●
Microsoft Office	● ● ● ● ●
Google Workspace	● ● ● ● ●
LibreOffice	● ● ● ● ●
groff	● ● ● ● ●

## Projects

2023	<b>rndfile</b> A command-line tool that picks a random file from given directories. Capable of detecting, filtering by size, and resizing image files. <b>Status:</b> Release <b>Language:</b> Rust
2022	<b>netswag</b> A python tool that grabs the swagger definition files for the NetSuite REST API using token-based authentication. <b>Status:</b> Release <b>Language:</b> Python
2023	<b>k2spice</b> An attempt at recreating the illumos userland for Linux. Working implementations of echo, printf, pwd, true, and yes. <b>Status:</b> Active <b>Language:</b> Rust
2023	<b>mailf0rm</b> A toy mail protocol designed to ensure user privacy and enable easy end-to-end encryption without using existing smtp infrastructure. <b>Status:</b> Active <b>Language:</b> Rust
2023	<b>brokenrpg</b> A turn-based role playing game battle simulator. Inspired by the classic Shin Megami Tensei games and the modern Persona games. <b>Status:</b> Active <b>Language:</b> Rust
2023	<b>SpicyDiskSystem</b> An eMMC based cartridge storage system based around the eMMC 5.1 standard for use in desktop computers. Trying very hard to emulate the feel of having 3.5 inch diskettes. <b>Status:</b> Active
2019 – 2023	<b>Kararou Computer Research Lab</b> A digital computer research lab that offered free resources to computer researchers. <b>Status:</b> Deprecated
2019 – 2023	<b>KCRL Compute Cluster</b> The private cloud that made up the core backbone of the Kararou Computer Research Lab. Powered by MNX's Triton Datacenter with fully enabled monitoring and security services. <b>Status:</b> Deprecated
2016 – 2017	<b>Notta Cat</b> A Not-Cat Detector written in C using the Berkeley Vision library, Caffe. Trained on images of cats scraped from the internet. Had around 70% accuracy. <b>Status:</b> Complete <b>Language:</b> C
2015	<b>IRIS 1</b> A CubeSat-compliant beeper satellite aimed to use standard off-the-shelf components and hand-built tools for less than \$1000. <b>Status:</b> Stalled