

# CyberGuard 5



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Final Project: 201D9

# Agenda

1. Team Member Introductions
2. Client Information & Main Objective
3. The Problem & Our Solutions
4. Solutions Demonstration
5. Resources
6. Closing Statements
7. Q&A Segment



# Our Team

1. Jermain Reed
2. Akah Tenjoh
3. Amleset Tesfamariam
4. Renee Stanley



# Jermain Reed

## Cyber Security Specialist

- I'm from Baton Rouge, La.
- U.S. Veteran
- Ex Real Estate Broker before joining the program here at Code Fellows
- I'm interested in Cyber Forensics and **Red Teaming**
- Contact Info:
  - LinkedIn - [LinkedIn](#)
  - GitHub - [GitHub](#)
  - Resume/Google Docs - [Resume/Google Docs](#)



# Akah Tenjoh

## Cyber Security Specialist



- My Name is Akah, born and raised in Cameroon
- Army veteran (3 years of service in Field Artillery)
- Ex-paramedic (2 years of experience in Emergency Medicine)
- Career switch to cybersecurity because I'm passionate about using technology to solve complex problems.
- Skillset: problem-solving, working under pressure, strong understanding of human behavior and psychology.
- Interested in working in a fast-paced, collaborative environment where I can learn and grow.
- Interesting fact: As much as i love soccer, I love to watch and know how to play.
- Contact Info:
  - LinkedIn - [LinkedIn](#)
  - GitHub - [GitHub](#)



# Amleset Tesfamariam

## Cyber Security Analyst



- Born & raised in Seattle, Washington
- Previously working in healthcare after finishing MPH > > Physician Assistant
- Friend introduced me to cybersecurity field
- I'm interested in threat hunting/intrusion detection, purple teaming, and cybersecurity analyst.
- Interesting fact: I can speak Tigrinya fluently.
- Contact Info:
  - LinkedIn - [LinkedIn](#)
  - GitHub - [GitHub](#)





# Renee Louise Stanley

## Cyber Security Researcher



- I'm from Seattle, Washington
- Before returning to academics to study Computer Science and Cybersecurity, I was the lead singer in a world-touring rock band. I also learned how to write my first lines of code at age 6 in MS Basic.
- My goal is to become an offensive security professional. I have always had a passion for security and a curious mind.
- I love solving problems and thinking on my feet.
- Contact Info:
  - LinkedIn - [LinkedIn](#)
  - GitHub - [GitHub](#)





**Client:**  
XYZ Tech Solutions

**Main Objective:**  
Establish a robust and secure IT environment  
that can support their ambitious growth plans.



# The Problem:



As part of their expansion strategy, XYZ Tech Solutions is aiming to:

- Centralize Resources
- Enhance Security
- Streamline Operations
- Scale Effortlessly
- Compliance and Documentation



# User Provisioning:

- New Computer
- Form and harden network
- Establish Checklist
- Training modules
- Cybersecurity training
- Active Directory



# Backup Solution:

- Intro To Backups
- Why backup?
- Backup Types/Frequency(Full, increment and differential)
- Where (External hard drive and OneDrive)
- How? (Demo)
- Restoration



# Collaboration:

- Email Client - Thunderbird
  - Email + share files
  - Streamline operations
  - Protection against phishing and spam
  - Security + centralizing resources
  - Locally stored



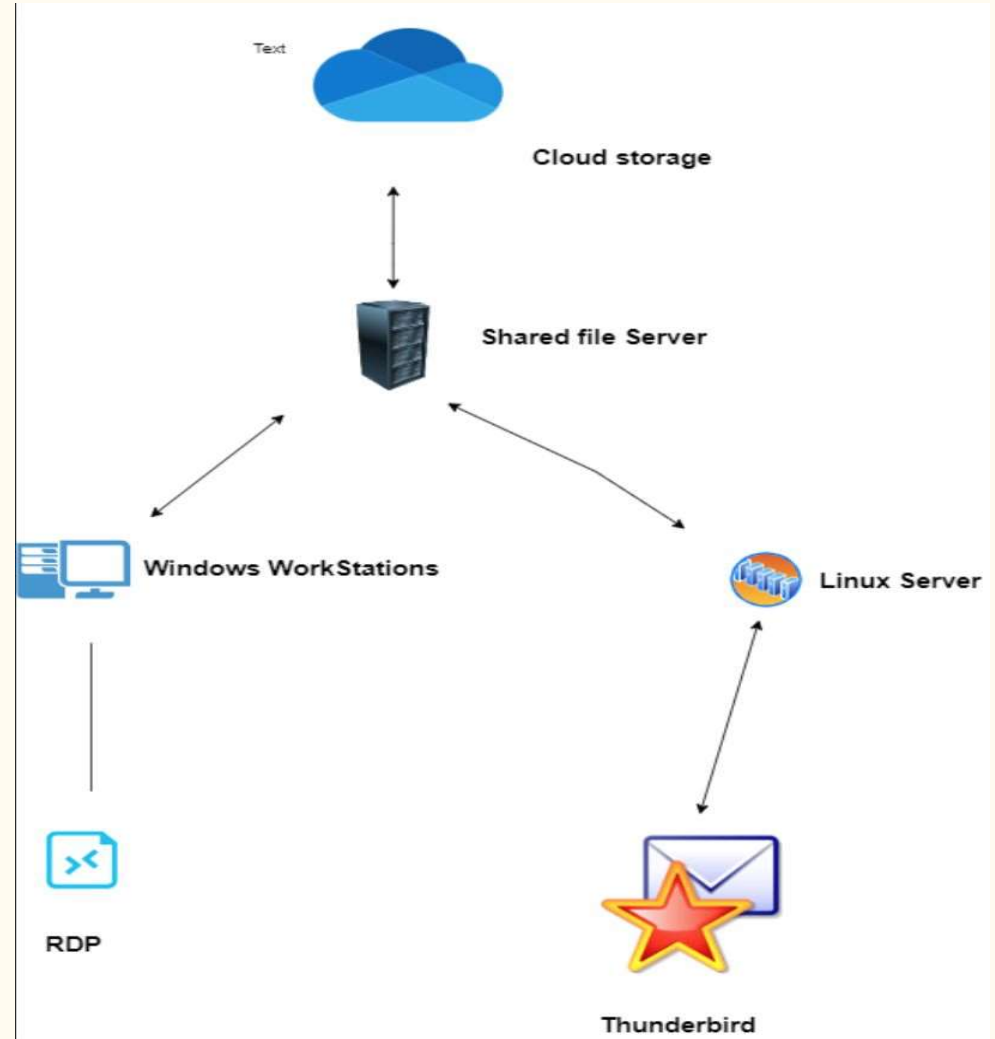
# Collaboration (con't):

- Email Client - Thunderbird
  - Offers remote image protection
  - Efficient documentation
  - Scaling capabilities
  - Offline email encryption
  - It's free!





# Our Topology:



# Remote Access:

- Remote Desktop
- Form a hardened network
- Group Policy Editor



# CyberGuard 5



# Demo!

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# Resources:

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- GitHub Organization: [CyberGuard5 GitHub](#)
- Project Management Tool: [CyberGuard5 Trello](#)
- Additional resources:
  - Search tools (Google, ChatGPT, Youtube.com)
  - GitHub, Trello, Google Docs, Canvas, Zoom, Remo
  - Windows, Ubuntu, Linux, MacOS, Markdown
  - Thunderbird

# Thank you!

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**Special Thanks to Hexx, Ben, Zac, Justin, Raven,  
and the rest of the Code Fellows staff/teams.**





# Questions?

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