

# **ENOCH LINDEMAN**

Software Development Engineer / C2 Systems Specialist Cofounder & Owner, by The Lindemans, LLC

## **EXPERIENCE**

#### Software Engineer – Command & Control Systems

Jun 2022 - Ongoing

Developed C2 software for satellite management systems

- Designed and integrated custom satellite command and telemetry solutions using Python, C++, and Java
- Implemented communication protocols (CCSDS, CSP, and CFDP) to streamline satellite data transmission

#### **Tolleson Union High School District**

• Avondale, AZ

**SUMMARY** 

**TOOLS** 

Python

GitHub

CCSDS

XTCE

S3/EC2

AES-256 GCM

**PROGRAMS** 

Visual Studio Code

VMWare VirtualBox

PythonAnywhere

lava

Optimized software performance for real-time satellite operations

- Integrated satellite encryption algorithms (AES-256 GCM) to secure data transmissions
- · Worked closely with customers and internal teams to meet mission-critical software requirements and system scalability

#### **Owner & Software Developer**

Mission Technology Specialist

May 2020 – May 2022

Dec 2022 – Ongoing

Led the development and deployment of C2 software solutions for remote monitoring and control

- Designed real-time embedded software for mission-critical systems with a focus on performance optimization and scalability
- Developed cloud-based solutions using AWS services (Lambda, ECS, S3, EC2) to enhance system performance and reduce latency

#### by The Lindemans

Collaborated with clients to deliver custom solutions for satellite operations

- Provided technical expertise on satellite telemetry formats (XTCE, MIB) and developed secure communication protocols
- Ensured software resilience and maintainability through regular testing and version control (Git/GitHub)

#### The Church of Jesus Christ of Latter-Day Saints

**♀** Syracuse, NY

Developed and deployed real-time monitoring solutions for distributed systems

- Implemented cloud-based monitoring and control software for remote systems, leveraging AWS and Python for system management
- Delivered software solutions that optimized communication between distributed devices in real-time environments

Collaborated with multidisciplinary teams to ensure successful deployment of command software

- Conducted performance testing and optimized system responses to ensure reliability in mission-critical scenarios
- Worked closely with internal and external stakeholders to deliver functional solutions for satellite command and control

# **SKILLS**

Software Development Engineer with expertise in developing Command

Control (C2) software for satellite systems. Proficient in Python,

C++, and Java, with a strong background in satellite communication

protocols, real-time operating systems (RTOS), and cloud services. Focused on delivering mission-critical solutions that optimize

system performance and simplify satellite operations.

AWS (Lambda, ECS)

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RTOS

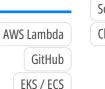
CSP

MIB

**CFDP** 



### **KNOWLEDGE** CloudWatch



C2 Scalability Software Quality Cloud Computing

Security Clearance Real-Time Processing

Satellite Protocols

Authorized to work in the US for any employer References available upon request

# **EDUCATION**

- Specializing in software development, system integration, and satellite technologies
- 4.0 GPA

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Rio Salado College

**♀** Tempe, AZ

• Graduated Summa Cum Laude with 3.9 GPA