



ENOCH LINDEMAN

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

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🌐 www.linkedin.com/in/enoch-lindeman 📍 San Diego, CA

EXPERIENCE

Software Engineer – Command & Control Systems

📅 Jun 2022 – Ongoing

Tolleson Union High School District

📍 Avondale, AZ

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 CFPD) to streamline satellite data transmission

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

📅 Dec 2022 – Ongoing

by The Lindemans

📍 Glendale, AZ

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

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)

Mission Technology Specialist

📅 May 2020 – May 2022

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

EDUCATION

Bachelor of Science in Technological Entrepreneurship and Management

📅 Expected May 2026

Arizona State University

📍 Online

SUMMARY

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.

TOOLS

Python

Java

GitHub

CCSDS

XTCE

AES-256 GCM

S3/EC2

C++

AWS (Lambda, ECS)

RTOS

CSP

MIB

CFDP

CloudWatch

PROGRAMS

Visual Studio Code

VMWare VirtualBox

PythonAnywhere

AWS Lambda

GitHub

EKS / ECS

SKILLS

C2 Software Development

Satellite Systems

Embedded Software

System Optimization

Cloud Integration

Telemetry Formats

Encryption Algorithms

Software Performance

Real-Time Systems

Open-Source Contribution

KNOWLEDGE

C2 Scalability

Satellite Protocols

Software Quality

Security Clearance

Cloud Computing

Real-Time Processing

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

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

Associate of Science in Computer Science

 August 2024

- Graduated Summa Cum Laude with 3.9 GPA

[Rio Salado College](#)

 Tempe, AZ