ENOCH LINDEMAN

Principal Software Engineer / Technology Support Specialist
Cofounder & Owner, by The Lindemans, LLC

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

SUMMARY

Experienced Principal Software Engineer with a strong foundation in C, C++, and Ada for embedded systems and real-time operating environments. Adept at designing and maintaining compilers, runtime libraries, and embedded solutions across Linux, Unix, and RTOS platforms. Proven track record in delivering robust software solutions, diagnosing complex system issues, and managing complete product lifecycle processes, including builds, releases, and customer support.

EXPERIENCE

Information Technology Support Specialist

📅 Jun 2022 – Ongoing

Tolleson Union High School District
📍 Avondale, AZ

Developed and maintained C/C++ embedded applications
- Designed and implemented software tools for embedded systems, integrating hardware components and real-time functionality.
- Performed system diagnostics and maintenance for embedded environments, reducing operational downtime by 30%.

Managed deployment and maintenance of real-time systems
- Integrated cross-platform solutions in C++ for Linux and Unix environments, ensuring compliance with real-time system requirements.
- Provided technical support for diagnosing and resolving complex system issues in real-time operational contexts.

Owner & Software Developer

📅 Dec 2022 – Ongoing

by The Lindemans
📍 Glendale, AZ

Developed Ada-based systems for embedded applications
- Designed and implemented Ada runtime libraries and compilers for embedded devices, focusing on scalability and performance.
- Managed product releases, performing regular builds, testing, and release engineering to ensure the quality and consistency of embedded software.

Implemented CI/CD pipelines for embedded software delivery
- Automated build processes and testing for C/C++ and Ada projects, reducing release cycle time by 50%.
- Collaborated with cross-functional teams to streamline embedded system updates and maintenance.

Mission Technology Specialist

📅 May 2020 – May 2022

The Church of Jesus Christ of Latter-Day Saints
📍 Syracuse, NY

Supported development and maintenance of real-time systems
- Assisted in diagnosing and resolving system errors for real-time operational environments using C and embedded technologies.
- Provided technical support for troubleshooting real-time data acquisition issues across multiple platforms.

Designed and maintained embedded software infrastructure
- Developed and maintained cross-platform software for real-time data management in Unix environments.
- Collaborated with hardware teams to integrate embedded software solutions for mission-critical applications.

EDUCATION

Bachelor of Science in Technological Entrepreneurship and Management

📅 Expected May 2026

Arizona State University
📍 Online

- Current GPA: 4.0
- Coursework includes embedded systems, C/C++ programming, and compiler design.

Associate of Science in Computer Science

📅 August 2024

Rio Salado College
📍 Tempe, AZ

- Graduated Summa Cum Laude, GPA: 3.9
- Focus on embedded system design, Ada programming, and real-time operating systems.

SKILLS

C | C++ | Ada | Real-time Operating Systems (RTOS) | Linux | Unix (Solaris) | VxWorks | LynxOS | Embedded Systems
Cross-Platform Development | Compiler Development | CI/CD Pipelines | Release Engineering | System Diagnostics | Technical Support