

# LEONARDO V. LUNARIO, MSC, PMP

Open to Global Opportunities | Based in the Philippines & USA (Hawaii)

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## PROFESSIONAL SUMMARY

A results-driven engineering leader with over 14 years of experience in systems integration, project management (PMP certified), and embedded software development. Expanding expertise into web technologies through The Odin Project's Full-Stack JavaScript curriculum. Skilled in hardware-software integration across the energy, aerospace, and defense industries. Seeking to apply a unique blend of engineering and full-stack development skills to solve complex challenges in a global role.

## TECHNICAL SKILLS

- Core Expertise: Python, C/C++, MATLAB, Visual Basic, Embedded Systems, System Integration & Testing, SCADA/EMS, Electrical Engineering
- Full-Stack Development: JavaScript, HTML5, CSS3, Node.js, React (The Odin Project Curriculum)
- Databases & Tools: Microsoft Access, SQL Server, SharePoint, Autodesk Fusion 360, SysML, LTSpice
- Leadership & Management: PMP Certification, Agile Methodologies, Systems Engineering, Risk & Root Cause Analysis, Remote Team Management, Process Optimization

## PROFESSIONAL EXPERIENCE

### Owner & Investment Manager

*Maui Oceanfront Condominium & Casa de Oasay | Remote | 2015 – Present*

- Achieved and maintained high occupancy rates and consistent 5-star ratings by automating booking systems and implementing data-driven marketing strategies.
- Managed all financial planning, maintenance, and guest relations remotely, boosting property ROI.

### Planning Engineer

*Maui Electric | Kahului, HI | 2015 – 2020*

- Led the planning and management of critical infrastructure projects for power generation and system operations.

- Developed custom databases and software tools for system operations, significantly streamlining data collection and reporting processes.
- Conducted comprehensive root cause analyses for system reliability issues, implementing process optimizations that improved performance.
- Supported Hawaii's 100% renewable energy goal by researching and compiling critical data for portfolio studies on Molokai and Maui islands.
- Initiated and managed the Unmanned Aerial System (UAS) program for power grid inspections, enhancing operational safety and efficiency.

## Senior Engineer

*L-3 Linkabit | San Diego, CA | 2014 – 2015*

- Led the development and integration of advanced communication and satellite systems for defense applications.
- Designed and implemented test methodologies and automation tools for system verification and validation.

## Engineer III

*Northrop Grumman | Los Angeles, CA | 2008 – 2014*

- Directed system integration and testing for key aerospace and defense systems, ensuring compliance with rigorous performance standards.
- Developed automated test scripts in Python and created manual procedures to enhance efficiency of system-level validation.
- Created MATLAB-based GUIs to improve data analysis and reporting capabilities for engineering teams.
- Conducted simulations using AGI Systems Tool Kit (STK) to analyze system performance and optimize design solutions.

## PROJECTS

- Full-Stack Web Applications | (View on GitHub) - Developed interactive applications using JavaScript, HTML, and CSS as part of The Odin Project. Projects include a dynamic calculator, interactive sketchpad, and classic games.
- 3D Modeling & Prototyping - Designed and prototyped custom hardware solutions using Autodesk Fusion 360 and 3D printing.

## EDUCATION & CERTIFICATIONS

- MSc in Engineering | University of California, Los Angeles (UCLA) | 2009–2012
- BSc in Electrical Engineering | University of California, San Diego (UC San Diego) | 2006–2008

- The Odin Project – Full Stack JavaScript
- Project Management Professional (PMP)
- Remote Pilot in Command