

# JERRY MACK

City, State – Phone Number

Email: [mackintechofficial@gmail.com](mailto:mackintechofficial@gmail.com) | LinkedIn: [www.linkedin.com/in/jerry-mack-swe](http://www.linkedin.com/in/jerry-mack-swe) |

GitHub: <https://github.com/EOSandCHILL> | DockerHub: <https://hub.docker.com/repositories/mackintech>

Marine Corps Veteran, with 10 years of experience in the technology industry, civilian and federal, with 3+ years of experience developing software professionally, academically, and personally. I am currently a Software Engineer/Programmer, with a Public Trust security clearance, creating a data collection and reporting system for the National Science Foundation. My mission is to create easier access to essential resources, using my skills, to develop scalable software solutions for the United States Government.

## PORTFOLIO

Software Development Portfolio | <https://jerry-mack-swe-portfolio.vercel.app/>

## EXPERIENCE

### **JAN 2023 – PRESENT**

#### **SOFTWARE ENGINEER, CREATIVE BUSINESS SOLUTIONS**

- Developing and maintaining a data collection and reporting system for monitoring the progress of The National Science Foundation's EPSCoR awardees utilizing the following technologies: HTML, CSS, Java, Python, Drupal, JavaScript, Vue.JS, Spring Boot, PostgreSQL, Liquibase, DBeaver, and Docker.
- Rapid prototyping using modern front-end frameworks and digital pattern libraries.
- Maintaining high coding standards and practices to exercise quality control on all aspects of development.
- Writing and maintaining documentation for the client and other team members utilizing JIRA.
- Applying user experience methodologies and best practices to translate user needs and business requirements into engaging user-centered designs.
- Assists with internal projects and cmmi audits.

### **OCT 2022 – DEC 2022**

#### **SOFTWARE ENGINEER, LAND INTELLIGENCE**

- Developed software utilizing React, Node.JS, MySQL, and Stripe, that allows investors to apply for debt on our software when investing in land. This software solution allowed the company to gain a strategic financial partnership and generate 5% of revenue from the interest of every approved loan application.
- Reviewed, tested, and deployed a major software integration to production, that provided our customers with more accurate and detailed real estate investment data. This high-quality data allowed over 80% of our users to find and invest in land that fit their specific land development needs.
- Led and managed a critical DevOps project to completion, using docker, git, and GitHub, which organized and optimized company repositories, branches, images, and containers. The completion of this critical project increased the quality of life for onboarding developers and helped scale parallel software development.

### **SEPT 2021 – SEPT 2022**

#### **BIOMEDICAL TECH, LEXINGTON MEDICAL CENTER**

- Analyzed, corrected, and maintained operating systems, computer systems, and medical equipment utilizing flow charts, logical thinking, and complex problem-solving solutions, saving the hospital a minimum of \$1,500 weekly.

- Utilized and maintained hospital networks, alongside the IT department daily, to ensure 100% integrity, authorization, and confidentiality of sensitive patient data, using medical software.

**JAN 2019 – JUNE 2019**

**SERVICE ENGINEER, L3 HARRIS TECHNOLOGIES**

- Provided tech support to regional customers and TSA by installing and updating software using Linux, troubleshooting operating systems and networks, reporting software bugs, and maintaining X-Ray and CT-based airport security systems saving the company well over \$250K in repairs costs.
- Worked with customers to identify software and mechanical problems and gave customers solutions to issues over the phone and on-site saving the company well over \$500K.

**DEC 2012 – DEC 2017**

**SR. AVIONICS TECH, US MARINE CORPS**

- Repaired and maintained various communication, navigation, countermeasure, night vision, and software systems using FAA manuals to ensure the safety of thousands of US Marines during flight, while also being accountable for \$20M worth of aviation equipment.
- Trained and mentored 42 Marines on electronic theory, complex aircraft systems, blueprints, schematics, control flow diagrams, analog systems, digital systems, databases, and manuals to complete complex problems on a day-to-day basis.
- Decreased my work center's troubleshooting man-hours by 20% using advanced flow charts, ensuring the readiness of 57 maintenance test sets, saving my unit over \$10M in vital resources.

## **EDUCATION**

**MAY 2022 – 2024**

**B.S. IN SOFTWARE DEVELOPMENT, WESTERN GOVERNORS UNIVERSITY**

This degree program requires knowledge of JavaScript, HTML, CSS, Java, C++, Python, SQL, database management systems, software development best practices, algorithms, data structures, IT fundamentals, web protocols, software quality assurance checks, and network security fundamentals.

**SEPT 2019 – JUNE 2021**

**ECONOMICS PROGRAM, UNIVERSITY OF HAWAII**

**DEC 2016 – OCT 2018**

**A.S. IN AERONAUTICAL SCIENCE, EMBRY RIDDLE AERONAUTICAL UNIVERSITY**

## **SKILLS**

- Frontend: React.JS, Vue.JS, HTML, CSS, JavaScript
- Backend: Node.JS, Python, Java, Spring Boot, SQL
- DevOps: AWS, Jenkins, and Docker
- Workflow and Time management
- Customer-centric development
- Academic experience with C++ and C#
- Agile Principles, Scrum boards, and DevOps
- Blockchain and Payment Integrations
- Communicating with non-technical stakeholders
- Public Trust Security Clearance