

# JERRY MACK

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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, and 1.5 years of experience developing software professionally and academically. I am in the process of finishing my bachelor's in software development while constantly gaining new skills as a full-stack software developer at Land Intelligence, a SaaS Prop-Tech company, in Columbia, SC. My mission is to create easier access to resources for everyone, using my skills, to develop scalable software solutions.

## PORTFOLIO

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

## EXPERIENCE

**OCT 2022 – DEC 2022**

**FULLSTACK SOFTWARE ENGINEER, LAND INTELLIGENCE**

- I developed software utilizing React, 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.
- I developed software utilizing React, Node.JS, MySQL, and Stripe, that allowed customers to use 70% off coupons on our software's annual subscriptions. This solution increased the software user count by 15% in less than 30 days.
- I, 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.
- I lead and managed a critical DevOps project to completion, using docker, git, and GitHub, which organized, optimized, and or synced 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 by 50%.
- I created and managed the documentation for 6 financial products and 2 financial projects that were projected to generate up to 30% of the company's revenue.
- I utilized Python grabbers and web-based digital intelligence software tools, that allowed me to improve our customer's experience, by tracking and monitoring 100% of our user's activities. I was able to determine how to increase the software's user experience, which increased product sales and subscriptions by 10%, in less than 30 days.
- I utilized software tools like Atlassian's Jira for workflow and confluence for documentation, HubSpot for business integrations, SharePoint for team documents, Stripe for payment integrations, FullStory for UI/UX data, AWS, and Jenkins for deploying and QA checking builds, Figma for wireframing, Docker for building images and containers, MySQL to manage databases, Linux along with GIT for version control, and GitHub to manage company repositories stored in the cloud.
- I organized agile scrum sprint planning internally and in collaboration with 3<sup>rd</sup> party companies to assist with parallel development for our SaaS products. I also incorporated user stories into sprint planning to collect, maintain, and implement client requirements.

Sept 2021 – SEPT 2022

**BIOMEDICAL TECH, LEXINGTON MEDICAL CENTER**

- I 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.
- I 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**

- I provided tech support to regional customers by installing and updating software using Linux RedHat, 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.
- I 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**

- I 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.
- I 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.
- I 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 – Q2 2023

**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**

- Professional experience using React, HTML, CSS, JavaScript, Node.JS, Python, and MySQL
- Workflow and Time management
- Product and Project Management
- Customer-centric development
- Professional experience with AWS and Jenkins
- Academic experience using HTML, CSS, JavaScript, C++, Python, and Java
- Agile Principles, Scrum boards, and DevOps
- Blockchain and Payment Integrations (Stripe)
- Communicating with non-technical stakeholders
- Professional experience using APIs