



# Alvaro Lamadrid

SOFTWARE ENGINEER

## Languages

Spanish  
English

## Contact

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## Code Examples

[Vue Github](#)

[React Github](#)

[Express Github](#)

[ERC20 and Staking Github](#)

[AMM Router Github](#)

[AMM Factory Github](#)

## Summary

Professional, hardworking and multifaceted. I currently work on RestAPI and web application development using products from GCP, AWS, JavaScript, TypeScript, Solidity, Python, React, VueJS, NodeJS, Google Firebase, SQL and NoSQL. With my experience in I.T. and Virtualization, I can also work server side and with computer networks.

## Work Experience

MSP Recovery LLC 2022 - 2023

### Software Engineer

- Maintenance and debugging of REST APIs using Python, Flask and SQL to handle CRUD operations.
- Mitigated operating system command injection vulnerabilities.
- Configuration and modeling of infrastructure resources using AWS CloudFormation (IaC).
- Ensured CI/CD pipelines run effectively and optimally
- I worked on modern applications built serverless-first.
- I used serverless services for the three layers of an application: computing, integration and data storage.
- Meeting with development managers to discuss software projects.
- Defining and running multi-container Docker applications.
- Project management and incident tracking with Jira.

MacguyverTech 2022 - 2022

### Software Engineer

- Developed and maintained user interfaces and features with HTML, CSS, JavaScript, VueJS, Vuex, and Vuetify.
- Maintenance and debugging of REST APIs using NodeJS, Express and SQL to handle CRUD operations.
- Built reusable User Interface components.
- Used web technologies to bring design concepts to life.
- Worked with clients to develop the overall look and feel of web applications.



## Awards and Projects



**Celo "Build it Mobile Hackathon"**  
Best latin-american team



**Figment Learn "Build a dApp Tutorial Hackathon"**  
2nd Place



**United Farmers**  
Founder Developer

## Learning Continues



**The Interchain Developer Academy**  
Cosmos ecosystem

digica LLC

2020 - 2022

### Senior Systems Engineer

- Developed user interfaces with Javascript, TypeScript, React and Redux.
- Developed, unit testing and code coverage of Smart Contracts using Solidity and Hardhat.
- Version control using Git, Github and Bitbucket.
- Documented how to build dApps.
- Support of small business computing environments in Miami and Broward counties.

Florida Power & Light

2019 - 2020

### Systems Engineer

- Support, administration and implementation of RedHat Enterprise Linux 7 environments (virtual and physical).
- Support, administration and deployment of Windows Server 2008 R2, 2012, 2012 R2 and 2016 (virtual and physical).
- Configuration and maintenance of server management cards, such as the Cisco Management Card (CIMC - WebUI and CIMC CLI) and IBM Management Module (IMM - WebUI and CLI).
- Implementation of operating system hardening techniques to keep the Linux, Windows, and ESXi environments in compliance with vendor best practices.
- Automation of processes and execution of scheduled tasks using Cron jobs, Bash, Python and PowerShell.

DraftPros INC

2016 - 2019

### Senior Systems Engineer

- Implementation and supervision of virtualization environments built on Xen Server, Proxmox and KVM/QEMU.
- Implementation and supervision of CISCO ASA firewall and VPN.
- Work experience with CentOS, Debian and Ubuntu for virtualization servers.
- Support and design of Windows Server 2016 environments, managing roles such as DHCP, DNS, IIS and RDS.
- Experience working with block-level storage technologies like iSCSI and file-level storage like SMB and NFS using FreeNAS.



Office2Go and Business  
Solutions

2015 – 2016

### **Systems Engineer**

- Support and design of the client's computer network infrastructure.
- Introduced XenServer and HyperV for virtualization.
- Level 3 technical support.
- Maintain Windows Server 2003 – 2012 environments.
- I introduced Open Source Monitoring with Zabbix to the business and we started providing it to our customers.

M10 Digital

2014 – 2015

### **I.T. Specialist**

- Support of small business computing environments in Miami and Broward counties.
- Entry level web developer (HTML, CSS and JS).
- Monitor and Analyze backups of critical infrastructure.
- Level 1 and level 2 technical support.