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|  | Onel CruzSOFTWARE ENGINEER |

ProfileDisciplined Software Engineer with extensive experience in developing robust web applications, automating software deployments, and managing server infrastructures.Proven track record in both civilian tech roles and military IT operations, demonstrating strong commitment for solving difficult problems.Skilled in enhancing system efficiencies and team collaboration, leveraging my background in military engineering to deliver superior results in high-pressure environments.Employment HistorySoftware Engineer, G3 Technologies, Mt. Airy, MDJANUARY 2023 — PRESENT* Developed a common Python module that facilitated method sharing across two distinct applications, enabling system information retrieval, database interaction, and host device software upgrades, significantly enhancing operational efficiency and system integration.
* Worked on the Flask web application that leverages the common Python module previously mentioned to manage system operations, database interactions, and perform actions on the host system using a GUI interface.
* Led the effort for rebuilding and writing new system health sensors in Bash to monitor different applications and hardware components installed on the same system.
* Contributed to building a Flask-based API that allows customers to retrieve geolocation coordinates by seamlessly integrating requests with an external API.
* Facilitated the migration of our Jenkins server by configuring new build machines, rebuilding all Jenkins jobs, and deploying an updated Autoinstall disk image with refreshed package lists.
* Authored comprehensive testing and documentation materials, including unit tests, test plans, procedures, release documentation, and user guides, ensuring thorough coverage and user comprehension across all projects.
* Automated build and packaging processes for all projects I've been involved in via the use of Jenkins.

System Administrator, Two Six Technologies, Fredericksburg, VASEPTEMBER 2021 — JANUARY 2023* Revamped the company's MDM system by implementing a more cost-effective alternative, enhancing functionality with features such as remote ADB command execution for mobile developers.
* Maintained and enhanced a Bash-based codebase for automating the installation and setup of company software on hardware devices, streamlining operations and improving deployment reliability.
* Updated application source code from using Python2 to Python3, ensuring all test cases passed and the functionality was preserved without disruption.
* Managed the installation, user acceptance testing (UAT), and delivery of offline versions of our applications, ensuring seamless deployment and high user satisfaction.

Network Operations Engineer, G3 Technologies, Chantilly, VAJULY 2019 — SEPTEMBER 2021* Installed and configured company software on remotely deployed servers, collaborating closely with networking teams to ensure optimal connectivity across locations.
* Acted as a liaison between customers and the engineering team, ensuring all necessary support was provided before escalating issues.
* Repaired Linux servers, addressing database and disk corruptions to maintain system performance and data integrity.
* Collaborated with customers and project managers to resolve complex network configuration issues.
* Monitored the journey of customer data from origin to multiple destinations, ensuring our software application accurately processes and transfers files to its final location.

IT Specialist , US Army Reserves , Frederick, MDMAY 2019 — JUNE 2022* Implemented robust network solutions by building VMware-hosted CUCM servers, baselining network configurations on routers, switches, and ASAs, ensuring end-to-end encryption with TACLANE security certificates, and configuring connections to military satellites during training exercises.

Diplomatic Security Officer, Department of State, Washington, D.C.JUNE 2018 — JULY 2019* Managed site security operations, including access control, monitoring CCTV systems, and responding to incidents, ensuring compliance and safeguarding against unauthorized access while maintaining detailed records and reports.

Combat Engineer, Marine Corps, Quantico, VAJUNE 2014 — JUNE 2018* Led a team of 10 service members managing daily operations and accountability, and enhancing combat readiness and physical fitness; successfully deployed a MICLIC valued at over $2 million in demining operations.
* Instructed military officers in IED awareness, urban breaching operations, and safety protocols, ensuring adherence to range policies, establishing casualty evacuation plans, and enhancing student decision-making through targeted feedback.

EducationB.S. Software Development, ECPI University, Virginia Beach, VAJUNE 2018 — NOVEMBER 2021 |  | Details1204 Daphne Way Frederick, MD United States7873416788onel.cruz37@gmail.comLinks[LinkedIn](https://www.linkedin.com/in/onel-cruz-51b712302/)[GitHub](https://github.com/onelcruz66)SkillsPython (Flask, Django)BashSQLUnixJenkinsSource Control (Git, SVN)Front End (HTML/CSS/JS) VMware |