



Ernesto Villegas

Software Developer

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Air Force veteran and former criminal/civil investigator, who is capable of problem solving, prioritizing and proper decision-making for both independent and team accomplishment. Developed an interest in software development while obtaining a degree in IT Security and learned the full-stack skills needed to build in a solution-driven, collaborative environment.

EDUCATION

Codeup - San Antonio

Certification of Completion

Oct 2022 - Mar 2023

A fully-immersive, project-based, and intensive 20-week Full-Stack Java Career Accelerator that provides students with 670 hours of expert instruction in software development.

Texas A&M University - San Antonio

Bachelor of Applied Arts and Sciences, IT: Information Assurance and Security

Jan 2016 - May 2019 (full-time student)

SKILLS

Developer: Java (SE & EE), Spring Boot, Thymeleaf, SQL, Object-Oriented Programming, HTML, CSS, Bootstrap, JavaScript, jQuery, Test-Driven Development, Version Control with Git, Paired Programming, Troubleshooting, Application Design, Requirements Review, Programming Languages, Best Coding Practices

IT/Cybersecurity: VMware, Oracle VM VirtualBox, OpenVAS, Vulnerability Scanning, Metasploit, Penetration Testing, Analyzed Potential Attack Surfaces, Kali Linux, Nmap, Wireshark, Packet Captures/Analysis, tcpdump, Computer Forensics (Autopsy (Sleuth Kit), FTK Imager, Scalpel, Hex Editors, Exiftool, Forensic Registry Editor), DNS, Caching, Proxies, Firewalls, Antivirus, Networks, TCP/IP, Information Systems

Language: English (Native), Spanish (Professional working proficiency)

Soft Skills: Time Management, Communication (Written/Verbal), Flexible, Supporting

DEVELOPMENT PROJECTS

[PropertyConnects Capstone-Project](#)

An application that provides a centralized space for property owners to manage their properties, access location-specific weather-related home maintenance tasks & reminders. Within the platform, property owners and visitors can view and search all Community Notes posted by registered property owners, allowing for easy access to relevant information. Additionally, property owners can update their own property information and profile data, including editing or deleting their property information.

Environment: HTML5, jQuery, Bootstrap 4, JavaScript, Java, Spring, Thymeleaf, MySQL, CSS, Mapbox Autofill API, Filestack API, OpenWeatherMap API, AWS (EC2), linux, Git, and Agile methodologies.

[Movie Project](#)

Single page application that allows users to add, edit, delete and rate movies while storing changes in a Glitch JSON-server (mock database).

Environment: HTML, jQuery, Bootstrap 4, JavaScript, AJAX, OMDb API, RESTful API Requests, Promises

[Weather Map Project](#)

Using OpenWeatherMap API and MapBox API, this application receives data and renders it to display current weather/5-day forecast/air quality information for any location entered by the user or by the user clicking on the map.

Environment: HTML, jQuery, Bootstrap 4, JavaScript, MapBox API, AJAX, OpenWeatherMap API

Coffee Project

Coffee Project is an application that allows a user to view, filter, search and add coffee selections. Designed and implemented basic front-end capabilities. Changed code to allow for additional filtering. Utilized search functionalities to conduct live search of coffees as well as add/save (local storage)/view user coffee recommendations.

Environment: HTML, jQuery, Bootstrap 4, JavaScript

PROFESSIONAL EXPERIENCE

Investigator II / Nov 2014 - Oct 2015

Office of the Texas Attorney General / Consumer Protection Division - San Antonio, TX

- Supported background/personal history investigations involving alleged violations of laws, rules, and regulations, as well as over 20 preliminary investigations on various business entities and individuals, helping to determine if full-fledged investigations were warranted; effectively made use of resources
- Maintained knowledge of Texas Deceptive Trade Practices Act and other consumer protection laws
- Examined business activities of entities to verify compliance with statutory standards and regulations
- Performed undercover and surveillance work on suspected violators
- Located defendant evading service for civil contempt of court hearing; session could proceed as scheduled
- Delivered feedback to office management to encourage necessary enhancements, leading to an innovative investigative equipment update and the implementation of a division-wide evidence collection policy

Special Agent (Enlisted) / Nov 2007 - Aug 2014

US Air Force Office of Special Investigations / Inactive Top Secret SCI - Multiple Locations

- Conducted counterintelligence, criminal, and fraud investigations
- Scrutinized allegations for merit, initiated operations, conducted interviews, gathered evidence, compiled investigative reports, and testified in court
- Briefed commanders and legal offices on investigative operations and activities
- Authored over 60 intelligence reports which were instrumental in identifying and neutralizing threats to multinational forces in Iraq
- Recovered \$58k of stolen cryptographic items using confidential human source, and safeguarded sensitive equipment to maintain mission readiness
- Identified gaps in base's foreign visitor screening process and implemented corrective actions to vet 100% of visitors, worked with counterpart federal agency to conduct additional background checks
- Led four person office operations in Special Agent In-Charge's absence and initiated two multiple subject narcotics cases