

Jordan Guada

SOFTWARE ENGINEER · SECURITY RESEARCHER

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Education

University of Central Florida

B.S. IN INFORMATION TECHNOLOGY

Orlando, Florida

July 2017 - May 2023

Skills

Programming	Go, TypeScript, JavaScript, Windows Batch, Python, SQL, C#, Java, C
Frameworks	GoFiber, Gin, Echo, Express.JS, React.JS, Hono, gRPC, WebSockets, RabbitMQ, Svelte
Tools	Git, Bitbucket, Visual Studio, CLion, GoLand, Visual Studio Code, Jenkins, Jira, Confluence, Workbench SQL, DataGrip, Postman, PuTTY, Firezilla, Charles, Fiddler, Chrome DevTools, MITMProxy
Languages	English, Spanish (Receptive bilingualism)
Abstract	Data Structures, Reverse Engineering, Regex, Architecture, Object-Orientated-Programming

Experience

Microsoft

SOFTWARE ENGINEER

- Microsoft C+AI (Azure)

Remote

August 2023 - Current

Microsoft

SOFTWARE ENGINEER INTERN

- C#, TypeScript, JavaScript, HTML, CSS, Windows Batch
- Azure Compute - Capacity Infrastructure Service (CIS) - Scalability Team
- Developed an internal Visual Studio Extension tool to assist over 200+ Azure CIS team user's development experience and diminish common JobType templating build errors.
- Modified an internal C# tool to assist future Azure CIS team user's development experience to create impact towards future projects regarding JobType templating.

Remote

May 2022 - August 2022

Hayha Bots

SOFTWARE ENGINEER

- Go, Python, JavaScript
- HayhaAIO is a software that allows users to use a graphical user interface or a command line interface to automate the purchase of items sold on a third-party retailer's websites.

Remote

Feb 2022 - Current

World Tech Miami

FREELANCE SOFTWARE ENGINEER

- C#
- Developed from scratch and used prior knowledge of automation, problem-solving, data structures, resource management, API referencing to create various programs for a client. The program's purpose is to perform automation to auto-checkout items and report back properties of successful checkouts to the user's CSV in real-time on various websites.
- All programs used Selenium to perform browser automation involving relevant algorithms, numerous data structures in C# while also incorporating Google Sheets API to pull and post information in cloud CSV files.

Remote

July 2020 - Current

HSN

SOFTWARE ENGINEERING INTERN

- Python, Java, SQL
- Worked with the Product Experience (PXP) team to create tools that assisted finding inconsistencies of renewed services data based on their obsolete form.
- Creating documentation in Confluence and viewing tickets in Jira.
- Utilized Jenkins for test jobs during development.
- Practiced the software development life-cycle through agile scrum meetings.
- Worked alongside other HSN/QVC interns to create a MVP which consisted of mitigating risk and data of local network databases created on Microsoft Access by creating a new infrastructure in the Azure cloud environment while using Microsoft Power Platform as the powerhouse of the application.

Remote (St.Petersburg, Florida)

Jun. 2021 - Aug. 2021

PT Genie

Orlando, Florida

SOFTWARE QUALITY ASSURANCE ENGINEER INTERN

Dec. 2020 - Mar. 2021

- Python, C#, SQL
- Testing mobile and web applications on numerous platforms and devices.
- Creating test cases/suites using Selenium/Requests in C# and Python.
- Reporting and tracking bugs using Jira.
- Participate in daily stand-ups and sprint planning (SCRUM).
- Interacting with dev-team daily to combat bugs so seamless source code makes it to production.

Project

Language - JavaScript

CASELINK

- Designed & Developed Caselink, which won 1st place at the Morgan and Morgan Hackathon, to optimize client calls by implementing automated case matching, real-time transcription, and intelligent document retrieval features.
- Seamlessly integrated with existing infrastructure using Twilio SDK for call handling, WebSockets and REST API for data communication, and Svelte framework for an enhanced front-end UX.
- Demonstrated adaptability and problem-solving by overcoming challenges such as pivoting the front-end tech stack, managing raw audio bytes, and resolving Twilio and SQLite issues.

Magic Number Butler

Language - Go

PROJECT

- Deobfuscated JavaScript file of a challenge protection given by popular anti-bot company: DataDome, to a readable version.
- Ported script from JavaScript to Go, which required knowing bit shifting and data-structures.
- Able to recreate the same magic number challenge answer from a browser session in a CLI IDE session which bypasses their bot protection through requests.

GoAkamai

Language - Go

PROJECT

- A 4 month project in which I challenged myself to reverse engineer Akamai's Bot Manager which guards over 100+ websites across the internet in which included one of the websites that I needed to scrape.
- De-obfuscated the embedded JavaScript file to a readable version and broke down each function step one by one.
- Ported a working version from JavaScript which required an understanding of the data-structures, hashing techniques, bit-shifting tricks, creating mouse data algorithms using Perlin Noise, and recursion within the script to port it to Go.
- The library created enables a cookie client to be generate client side that is used for their bot protection within 200 milliseconds depending on the quality of the internet connection.
- Housed the library in an API using GoFiber which is ran currently on AWS EC2 instances with API gateway including a application load balance that checks for network or CPU ingress and will scale up during any ingress situation and generates over 100k cookies a month.