Lenin Estrada

lestr3959@gmail.com; (312) 929-5316

Dedicated software developer with a focus in cybersecurity. Prior experience with providing technical support to end-users to identify and resolve software-related issues.

EDUCATION

Northwestern University, Evanston, IL
Robert R. McCormick School of Engineering and Applied Science
Bachelor of Science – Computer Science; September 2016 - June 2020
GPA: 3.531 (Major)
Relevant Coursework: Operating Systems, Networking, Machine Learning, Data Structures, Discrete Mathematics, Internet Security, Digital Forensics, Network Penetration & Security, Algorithms, Scalable Architectures (AWS)

RELEVANT EXPERIENCE

*Indicates internships were once/twice a week during the time frames

Infosys, Chicago, IL   Jan. 2021 – Aug. 2021
Associate Software Developer
Client: United Airlines
- Develop solutions to migrate applications and services to the AWS cloud using .NET Core
- Automate processes and facilitate transition to the cloud using UNIX scripts and SQL Server stored procedures
- Coordinate between UAL and Infosys teams to ensure completion of ServiceNow tickets relevant to the project
- Contribute to the knowledge base by documenting solutions to common and new technical issues
- Provide tier 1 technical support and help onboard new team members

Northwestern University, Evanston, IL   Sept. 2019 – June 2020
Freelance Full Stack Software Developer
- Developed single and multi-page full-stack web applications leveraging Python, Flask, AWS (S3, EC2, EB), & Heroku to fulfill user needs
- Designed and implemented RESTful services to simplify various user tasks
- Built unit testing infrastructure using Selenium Webdriver to simulate and validate various user behaviors
- Employed and modified existing JS libraries (e.g. Granim.js, PDF.js) to achieve custom site functionality & appearance

*Huron Consulting Group, Chicago, IL   Aug. 2015 – June 2016
IT Technical Support Intern   Aug. 2014 – June 2015
- Communicated problems and solutions to team members and non-technical audiences to help resolve software-related issues with client devices
- Fulfilled movements and replacements across the firm for endpoint devices and related equipment as required
- Helped diagnose system and network issues using command prompt, event viewer, task manager, and other system utilities
- Utilized MS Office (Word, Excel, Outlook) to complete data entry tasks related to endpoint hardware management

*Morgan Stanley, Chicago, IL   Aug. 2013 – June 2014
IT Intern
- Led implementation of proper security protocols with returned endpoint devices and sensitive information contained therein
- Employed basic and advanced troubleshooting techniques to provide technical support to employees from various divisions across the company
- Maintained organization of inventory for quick retrieval of essential tools and endpoint devices
- Performed hardware-related tasks such as replacing hard drives and setting up desktop environments

PROJECTS

AWS News Importer
- Designed & implemented a RESTful API that obtains latest common crawl news articles, streams more than 100,000 documents to an Elasticsearch index, and shows output to the user.
- Gained further exposure to various aspects of the Linux CLI (i.e., cron, dig, vi)

APT Detector
- Extended the current capabilities of MORSE, an IDS capable of detecting Advanced Persistent Threat (APT) campaigns in real-time while generating a compact scenario of suspicious events.

Ping/Tracert
- Implemented ping and tracert commands using Python according to RFC 1739 specification which are used for troubleshooting network issues

TECHNICAL SKILLS

- **Programming/Scripting**: Python, C++, C, bash, HTML, CSS, JavaScript, Ruby, Java, x86 Assembly, PHP
- **Libraries/Frameworks**: Selenium (WebDriver), Angular, bootstrap, Flask, Ajax, .NET Core
- **Cloud**: AWS (EC2, S3, EB, ES, DynamoDB, Aurora MySQL), Heroku, Google Cloud
- **Databases**: MySQL, SSMS
- **Security**: John the Ripper, Volatility, Linux, Wireshark, Nessus, Nmap, Metasploit, VirtualBox, VMware