

Scott J. Guyton

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github.com/kiljoy001

Skills

Languages: Python, C#, PowerShell, SQL, Bash

System Administration: Docker, Hyper-V, Azure, Linux, Windows Server, Solr, DNS, Networking, IT Security

Blockchain: Bitcoin, Namecoin, BigChainDB

Experience

Chief Technical Officer, Global Systems Integration LLC – Honolulu, HI June 2023 – Present

- I lead the technical direction, development, and information security efforts of Global Systems Integration's main product, a correctional institution student management system for the State of Hawaii.

Project Engineer, Wipro / Microsoft – Redmond, WA March 2021 – Sept 2022

- Configured equipment/software to validate Azure Linux & CBL-Mariner images using PowerShell, Python, and Linux.
- Successfully implemented and expanded a data center lab, ensuring optimal operations.
- Introduced Nagios for hardware monitoring, effectively reducing system downtime.
- Automated services and equipment monitoring via scripting, optimizing system efficiencies.
- Analyzed and resolved test run failures, enhancing lab operations through team collaborations.

Software Engineer, HCL America / Microsoft – Redmond, WA June 2018 – Sept 2019

- Developed a C#, Azure, and Solr application to showcase effective Solr indexing, achieving a searchable system for large datasets.
- Configured Solr & Zookeeper on Windows and Linux, resulting in a backend processing terabytes of data.
- Automated deployment using an Azure Runbook in PowerShell, facilitating seamless VM-to-VM application transfers.
- Enhanced Azure expertise by hands-on work with its key components, bolstering project capabilities.
- Rectified seven accessibility issues in Microsoft's PowerApps, ensuring compliance with standards.

Support Engineer, Allyis / Microsoft – Redmond, WA Sept 2017 – June 2018

- Utilized MySQL to swiftly diagnose and fix customer sign-up and service usage issues.
- Addressed and rectified data display discrepancies in customer interfaces.

Intern - Software Engineer, Renton Technical College – Renton, WA March 2016 – August 2017

- Automated CSV file downloads and archiving using Python and Selenium WebDriver.
- Developed a custom Chromium browser, effectively overcoming file-saving limitations.

Projects

Toga – Python github.com/beeware/toga/

- Contributed to the open source project Toga, A Python native, OS native GUI toolkit

Namecoin Based PKI System – Python, Blockchain github.com/kiljoy001/namecoin-register

- Exploratory project focusing on my blockchain based public key infrastructure research.

Education

University of Washington – Master of Cybersecurity & Leadership June 2024

Renton Technical College – Bachelor of Applied Science in Application Development June 2019