**PROFESSIONAL RESUME**

**Harrison Rogers**

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**PROFESSIONAL SUMMARY**

* Strong skills in computer science, including AI and Computer Architecture, and software engineering and development
* Exceptional skills in Azure Active Directory and Microsoft Active Directory Domain Services
* Highly skilled in Virtualization Administration including VMware, Hyper-V, and Citrix
* Well skilled in in C# and C++ languages, Java, and Python
* Masterful PowerShell skills in automating many routine functions of Microsoft Servers and Active Directory
* Strongly skilled in algorithm design and testing - I speak Big O, Big Ω, and Big Ɵ
* Substantial knowledge in Artificial Intelligence including Chat Bots
* Solid skills in .NET and Object-Oriented Concepts, Functional Programming, and Concurrency
* Effectual in SQL and NoSQL
* Adaptive Communication and strong problem-solving skills
* Flexible nature – I can work in a variety of projects without losing focus

**PROFESSIONAL EXPERIENCE**

**Freelance Developer/IT Consultant 05/2018 – Present Day**

**Quadrisphere** – Puget Sound NW

Computer Science

Algorithm Design and Engineering

Cloud and Server Infrastructure

Project Management

* Designed and programmed a parts registry and purchasing application using Java and Spring for Puget Sound manufacturing company
* Designed and Engineered Student academic registry project built with Java and JavaFX for a private school in Puget Sound area including a MySQL backend
* Designed, engineered, and programmed an application for an IT Consultancy so their consultants could, after logging in, check their calendars, write to, and schedule calendaringevents, review customer data including invoicing with the data stored in a backend SQL database – the application also interfaced with social media which gathered raw data and placed that uploaded the data to NoSQL for analytics gathering and analysis
* Currently working on artificial intelligence project with a local institute that will be used in adaptive modeling **-** building a structural equation model of the relation between the characteristics of the photos and the perceived trustworthiness of the hosts
* Algorithm design and engineering concepts using Python 3 – built and tested several algos for two research programs that were used to test input, the input criteria and the computing question, and then measured output performance to determine if the computing problem and response variables were valid **– think Big O notation**
* Consulted and worked with several businesses helping to better engineer SQL databases, NoSQL, data science, and other data solutions so that they can better leverage the concept of data consumption in our hyper connected world of the 21st century
* PowerShell development work and consulting
* Currently consulting on VMware, Hyper V, Azure cloud services, and Active Directory for three businesses including one based in Portland Oregon
* Website Development including JavaScript, HTML5 and CSS and more

**Principal Active Directory Systems Engineer 01/2016 – 04/2018**

**Principal VMware Administrator**

**Group Health Cooperative** – Renton Washington

* Responsible for 4 major Active Directory Domain Services initiatives including migrating AD Forest/Domains from Group Health Cooperative to Kaiser Permanente
* Programmed PowerShell DSC (“Desired State Configuration”) to automate much of the tasks that operations did by removing “human touch” which reduced errors by 17% and increased overperformance freeing IT administrators to focus on engineering and less on daily operational duties the “machine” would perform more reliably and faster than an admin could
* Upgraded the entire PKI from SHA to SHA2 increasing security of our systems and bringing us into compliance with HIPAA and Security Benchmarks
* Improved overall knowledge of the systems through documentation and diagrams – created a main repository for all knowledge base articles using Service NOW as a knowledge base
* Re-designed the GPO structure by removing old and unused GPOs and improved performance by merging some while with others I completely re-engineered them to meet the security compliance needs of Kaiser Permanente
* Detected and identified two major breaches to our organization through Azure and AD where I became lead and coordinated with other teams to ensure the breaches were mitigated and plans put in place ensuring those two attacks should not happen again
* Oracle DB development and programming

**Principal Systems Engineer 03/2015 – 01/2016**

**Planet Technologies, Inc.** – Germantown, MD

* Engineered and administered hybrid AD to Azure solutions for clients so that they could realize over cost savings by moving much of their infrastructure to the cloud while maintaining an AD presence on site
* Automation expert in PowerShell and DSC - Azure and Windows Servers where I automated and administered much of the more complex aspects of Azure and Windows Servers for clients in DC, Houston, Dallas, Orange County, CA, and LA County, as well as King County, Washington
* Managed various Azure PaaS solutions for our clients including improvements as well as Azure AD directory user maintenance
* C# and SQL coding, Oracle and MySQL Development

**Systems Administrator 01/2013 – 02/2015**

**Hyper-V, Microsoft AD Domain Services**

**WAVE Broadband** – Kirkland, WA

* IT Project Management Assistant for the call center rollout
* Managed Windows Servers, Active Directory, and GPOs including Azure deployment and maintenance for the hybrid AD to Azure infrastructure
* Programmed scripts in PowerShell for automating many daily tasks for folks in Operation and then worked to educate them to repeat the work I did which saved on cost by allowing Operations to cultivate in-house expertise working with PowerShell rather than hiring costly outside talent to do the work
* Administered VMware and Citrix Xen AppServer and Xen Desktop
* Oracle development and programming

**\*\* Additional work history upon request**

**EDUCATION**

**College/University**

Western Governors University – B.S. Computer Science and Mathematics

* 2022 (Expected graduation year)

**Certifications**

* CompTIA Project+ - Certified PK0-004 and ITIL - Certified
* CWA Web Developers Associate Certification – Certified
* AWS – Certified Solutions Architect Associate – Udemy Certified
* AWS Certification (Pending)
* AWS – Certified SysOps Administrator Associate – Udemy Certified
* AWS Certification (Pending)
* VMware and Linux – Udemy Certified
* MCSA - Windows Server 2008 R2 – Certified
* Azure Administrator and Engineer – Certified (Pending)
* Data Science – Certified (Pending)