

Linux Engineer/Researcher Linux Engineer/Researcher Saint Petersburg, FL Authorized to work in the US for any employer Work Experience Linux Engineer/Researcher Tampa, FL August 2018 to January 2019 Supported Linux backend servers for data processing and development and testing environments. Daily SCRUM for project management. Developed and performed experiments with Ion Engine and Multi-Element Aperture SDR Radio Array. Collected and Analyzed data from experiments to quantify impact of variables. Performed calculations utilizing LibreOffice, GoogleDocs and SageMath (an opensource version of MatLab) Mentored fellow researchers on topics. Manufactured of parts needed for experiments; Including: fuel tank and antenna assured-alignment jig. Operated Hybrid Recombinant Ion Engine and Multi-Element Aperture Software Defined Radio Array. Researched satellite frequencies and transmission modes; Satellite position tracking. Manufactured and assembled Multi-Element Aperture Software Defined Radio Array. Contributed to team problem solving exercises. Project Manager/Developer/ Network Engineer Pinellas Park, FL January 2016 to April 2018 Managed developer resources, identifying features and tasks, and assigning to staff based on priority Performed imports of customer data, generated performance reports, managed customer contracts Worked with developers in a "pair coding" environment to test and debug changes, utilizing github, for continuous integration environment Designed, implemented and maintained PHI-secure network architecture Designed, implemented and maintained Ubuntu 14.04/16.04 server cloud using XEN VM for web hosts and separate MySQL/MariaDB database server, all on a shoe-string budget Evaluated, reviewed and interpreted government specifications and regulatory compliance standards for Medicare's Physician Quality Reporting System program (PQRS/MIPS) Interpreted and designed algorithms for evaluating nearly 400 "quality measures" Interpreted and refined customer requirements for data collection, processing, reporting, and display Interpreted descriptive text from government specifications into human readable" form Analyzed existing rules engine spaghetti code, documented functionality, added modules to provide PQRS/MIPS functionality Designed and implemented database changes, as needed, to provide additional required functionality Designed and implemented API to provide additional required functionality for web UI (user interface)

Developed Specialty Forms to ensure all appropriate performance measures would be reported for patients during physician encounters    Developed "Direct Entry" UI to allow for reporting on a single rule for multiple patients, en masse    Built UI for interfacing with existing rules engine and added additional reporting functionality Systems Engineer Saint Petersburg, FL July 2013 to January 2015

Labs Group -- Financial Systems R&D    Developed credit card that facilitated spending Bitcoin    Develop new ideas related to payments into proof-of-concept projects    Developed integration with Ripple, a general ledger for currency exchange leading to the launch of a new company (Shift Payments)    Developed Android App that utilized Bluetooth Low Energy (BLE) for location services

Developed Android App for credit card review and account management    ? "Place centric view"    ? Control over exactly what merchants will be authorized    ? User defined place names using UTF8 character set    Finalist in 2014 CitiBank Mobile Challenge with development of Android App that integrates CitiBank accounts and Ripple wallet    Research into Bitcoin for inter-country remittances to a credit card    Collected research for focus group on how people feel about payments

Research into what it takes to start a bank    Constructed "DIY cellphone" from individual components    Laser cutter operation and maintenance    Research into consumer budgeting methods and applications    Envisioned features for "credit card 2.0"    ? Worked on 6 ideas that were explored as patentable    ? Circuit board component layout    ? 3D object design and printing Unix Administrator/ Network Administrator Saint Petersburg, FL 2008 to March 2013    Installation of Oracle Enterprise Linux 5 and OS level configuration changes for use with Oracle 11g in a High-Availability, multi-server, multiple-region environment utilizing SAN technology.    Configuration of Storage Area Network (SAN) for use with Oracle 11g.    Installation, configuration, maintenance and upgrades of Ubuntu 8, Ubuntu 9, Ubuntu 10 and Ubuntu 12, Debian 5 and Debian 6 Linux servers.    Configuration of F5 load balancers    Server performance evaluation and bottleneck determination    Creation and maintenance of Virtual Machines on VMWare, ESXi3/4 hosting Linux and Windows systems    Installation, configuration and maintenance of multiple Nagios and Big Brother servers for monitoring ports, services, processes and system resources on Linux, Windows, Solaris, Cisco, NetScreen, Adtran, and TelCo equipment.    Network monitoring and trouble shooting

using Multi-Router Traffic Grapher (MRTG), Wireshark, tcpdump, iptrace. Identification of Application-level problems by analyzing network layer communications. Configuration of Postfix email relays providing SSL encrypted user authentication, relaying based on POP3 authentication, grey-listing, spam filtering, virus checking, black listing, white listing, address re-addressing (aliases) and relaying. Configuration of VPN tunnels utilizing Cisco and Netscreen Firewall hardware and client-side software. Maintenance of Solaris 10 servers Maintenance and updates to Solaris based SpamAssassin mail gateways Maintenance of Redhat 4 and Redhat 5 servers (Linux) Consolidation of parallel production regions, halving the hardware and software footprint of the product. General administration of Asterix phone system Conversion of Windows 2000 domain to Windows 2007 and mail move Converted externally hosted "slice" website to internally hosted Maintenance of Sendmail system Unix/Linux administration of phone/fax/email product General IT support of small office Education Bachelor's in Computer Science Skills Networking (10+ years), Linux (10+ years), Unix Administration (10+ years), Cisco (4 years), Project Management (Less than 1 year), Firewalls (5 years), PHP (1 year), Scrum (2 years), MySQL (1 year), Android (1 year), F5 Load Balancing (1 year), TCP/IP (10+ years), Nagios (2 years), TCP (10+ years), SSH (10+ years), Debian (10+ years), AIX (3 years), Solaris (3 years), Software Development (1 year), unity3d (1 year), Apache (3 years), mariaDB (1 year), FTP (10+ years), CNC (2 years), Programming (10+ years), bash scripting (10+ years), scripting (10+ years), Medical Terminology (1 year), Vmware (Less than 1 year), Networking (10+ years), SQL (3 years), VPN (5 years), LAN (10+ years), DNS (3 years), security (10+ years), fast learner (10+ years), Excel (10+ years), Word (10+ years)

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