Joshua Amrik Singh
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Objective

Seeking full time position in the Bay Area to further my experience and gain opportunities to develop in the computing field.

Skills

High Level Skills:

System Administration, System Automation, Linux, macOS, Hardware Troubleshooting and Support, Network Administration, Active Directory, Virtualization, Database Management, Data Backup, System Monitoring and Alerting, Documentation

Tools:

Splunk (splunk.com), Puppet (puppet.com), Teamcity (jetbrains.com/teamcity), Graphite (graphiteapp.org), Grafana (grafana.com), Prometheus (prometheus.io), Tivoli (ibm.com), SaltStack (saltstack.com), Cobbler (cobbler.github.io), GitHub (github.com), Redis (redis.io), Nagios (nagios.org), Mesos (mesos.apache.org)

Programming Languages:

Java (6 years), Bash (3 years), Python (3 years), C (2 years), Ruby (2 years), C# (1 year)

Other Skills:

Film production, Illustrator, Photoshop, After Effects, Premiere Pro, AVID Pro Tools, Radio Broadcast (rivendellaudio.org), Live Audio/Video Production, Audio Engineer, AES Member, HAM Radio - Technician (KC1DHD)

Experience

Apple (apple.com)   Cupertino, California

Siri Production Engineering   *01/2018 – 09/2019*

Maintained fleets of servers and worked with a multitude of teams to improve reliability, insight, and monitoring of systems on a global scale. Performed on-call responsibilities for globally distributed applications which included: code releases on a fast paced schedule, coordinated traffic moves for required maintenance or unexpected service outages, wrote and followed up on incident reviews, and troubleshooting with developer workflows. Improved many simple tasks by automating various steps, reducing the required engineering effort for various tasks, and created or refined documentation. Controlled access to many restricted systems, enforcing and auditing access requests outside of the automated process. Collaborated with many teams to improve processes such as handling faulty hardware, decommissioning procedures, fleet-wide updates, monitoring, and escalation policies.

Siri Dev Ops - Intern   *01/2017 – 08/2017*

Developed a method to review the state of all servers around the globe and produce various reports from the data collected. Collaborated with many teams throughout Apple to gain better insights on the server infrastructure, monitoring and reporting platforms, and how to get more data from each server in an automated and distributed manor.

WITR 89.7 (witr.rit.edu)   Rochester, New York

Chief Engineer   *01/2016 – 05/2017*

Elected the designated Chief Operator for RIT's college radio station. Managed a team of volunteers and employees which rebuilt many of the core services running the radio station, rebuilt various studios and coordinated and built the newest studio, Studio X. Learned many key concepts for system automation and system monitoring for a 24x7 service such as radio broadcast.

Staff Engineer   *05/2014 – 12/2015*

Assisted the Chief Engineer maintain and rebuild many of the radio station's core services. Onboard and converted older systems to be controlled via SaltStack and Cobbler infrastructure. Initialed monitoring system for entire infrastructure. Initiating the plan for construction of a new studio, Studio X.

Education

Rochester Institute of Technology (rit.edu)   Rochester, New York

Computer Science – BS   *2013 – 2018*

WITR 89.7, Ukulele Club

Gates Millennium Scholarship (www.gmsp.org), 2013