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Work Experience:

- **Mar 2019 - Current. Site Reliability Engineering - Norwegian Block Exchange**
Maintaining and development of a cryptocurrency exchange.
We are a Google Cloud Platform shop, focused on GKE and Google App Engine.
Focused on containerization, kubernetes and microservices.
Our services are mostly Python 3, with some Golang, with a node.js frontend.
The platform is designed around using Apache Kafka for interservice messaging, and Apache Cassandra for Data storage. We are currently running both these in Kubernetes.
Responsible tooling development around secrets and TLS management with Hashicorp Vault.
Pipelines are currently done with Cloudbuild from Google
- **Jan 2019 - Mar 2019. Application Support Engineer - ResMed**
Provide support for deployment and upkeep of inhouse developed web applications related to medical IoT devices.
The apps are a mix of C#, and Java., the infrastructure contains:
 - Windows Server 2012r2 to 2016 With IIS and SQL server 2016
 - RHEL with a LAMP or NAMP stack.I am currently doing some cross team work with the Devops to try and automate more of the deployment steps with:
 - Bamboo
 - Chef
 - PowershellProvide 24/7 on-call support on a rotational basis.
- **Sept 2017 - Jan 2019. Configuration Engineering - CloudOps. Ping Identity Canada.**
Configuration Engineering at Ping Identity is responsible for all the labs and testing environments for the Product Development teams located around the world. We follow devops and infrastructure-as-code methodologies on the team.
We are an Amazon Web Service shop, however we have some Azure and physical servers.
Our Configuration and orchestrations tool stack consists of:

- SaltStack, Terraform, Packer and Scalr.

We support applications such as:

- Jira, Confluence, Gitlab, SVN, Jenkins, Artifactory, X-Ray, and Jenkins.

Scripting/Programming with:

- Python, Ruby, Bash, Powershell.

Provide 24/7 on-call support on a rotational basis.

- **March 2015 - Sept 2017. Senior Support Engineer Ping Identity Canada.**
Supported for PingFederate (SSO), PingID(MFA) and PingAccess(WAM) products.
Products focused on Identity based security for Cloud and On Premise services.
Supported customers setting up SSO via SAML, WS-FED, WS-STS, OAuth, OIDC
Supported integrations with directory services:
-Active Directory, Oracle Directory
Supported integrations with Database Server:
-Microsoft SQL Server, Oracle, MySQL
Supported SSO with various platforms and services:
-Apache (Windows and Linux), IIS (6, 7 and 8.), Java, .Net, PHP
- RSA SecurID, Symantec VIP, PingID
Supported MFA integration with various Firewalls and VPN via RADIUS.
Troubleshoot complex deployments with Fiddler, Charles, SAMLTools.
Helped new employees with onboard training.
Report product defects and potential features on the customer's behalf.
Provide 24/7 on-call support on a rotational basis.
- **April 2011 - March 2015. Support Analyst. Metalogix Software**
Supported for an in house developed exchange email and file archiving product
Perform remote installation, migration and upgrade sessions with customers
Configuration of Microsoft SQL Server 2005, 2008r2, and 2012
Troubleshooting of IIS 6, 7 Application
Deployment and Configuration of Microsoft Exchange, 2007, 2010 and 2013
Configuration of Microsoft Active Directory
Troubleshooting of the MAPI subsystem
Install and configure Hyper-v on Server 2008r2 and Server 2012
Maintain all the network equipment in our office
Installation of Exchange 2010 for testing network
Installation of SQL 2005, 2008r2, and 2012 for testing
Provide 24/7 on-call support on a rotational basis.

Education

- 2005-2007, Computer Electronics Technician
Nova Scotia Community College - Leeds Street Campus.
- 2008, Red Hat Systems Administration
CTC TrainCanada
- 2011, Exchange 2010 Administration and Configuration CTC TrainCanada