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SHAH H. SOLEHRIA

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Education

British Columbia Institute of Technology (BCIT)

- ❖ Bachelor of Business Administration ------------ Degree ---------------- *Jun 2018–Dec 2020*
- ❖ Business IT Management ------------ Diploma ---------------- *Sept 2016–May 2018*

Notable Academia

Udemy

- ❖ Complete Machine Learning and Data Science Bootcamp 2023 ---------------- *30% completed.*
- ❖ [Decoding DevOps with Projects] ---------------- *Aug 2023*
- ❖ [AZ-303 Azure Architecture Technologies] ---------------- *Dec 2021*
- ❖ [AZ-104 Microsoft Azure Administrator] ---------------- *Aug 2021*
- ❖ [AWS Certified Solutions Architect Associate] ---------------- *Aug 2021*

Work Experience

Sr. Network Administrator ------- Electrameccanica (Burnaby, BC) ------- *Dec 2022 – Feb 2023*

// Closure of all Canadian offices; Company presence and staff were dissolved.

- ❖ Engineered windows migrations by: preparing landing zone infrastructure (Azure), configuring Hyper-V disks with PowerShell, handled Windows Server DNS, performed dependency analysis with Azure migrate, performed failover testing, & secured the entire process with Veeam backups.
- ❖ Quickly learned physical setup, CLI configuration, & console management of Fortinet FortiGate firewalls, & designed a plan for SDWAN built on top of existing ADVPN Dynamic VPN tunneling.
- ❖ Assumed responsibility over Linux based Zscaler application including updating, patching, & troubleshooting issues (successfully resolved a site wide outage).

Systems Administrator ------- CaseIQ or i-Sight (Remote) ------- *July 2022 – Nov 2022*

- ❖ Successfully revived & rebuilt many failed VMWARE datacenters containing Yellowfin BI Servers & the i-Sight case management SAAS offering.
- ❖ Excelled with Java based server management: caching, servlet customization, Apache Tomcat, Java Keytool, dependencies, & setup of applications.
- ❖ Managed/fixed/automated many aspects of DevOps environment: Jenkins, Ansible (Python/API), PowerShell, Jenkins: pipeline-scripts/jobs, environment variables, build failures, Batch, & Bash.
- ❖ Deployed and maintained i-Sight Linux OS JavaScript application on Azure, AWS, & VMWARE.
- ❖ Successfully worked with: Teleport, Kubernetes, OpenShift, NodeJS, NPM, Quartz, RabbitMQ, Redis, Nginx, Elasticsearch, Samba, Docker Swarm, make, SQL, JSON, XML, JAVA, ODBC, & Docker Compose.

Jr. Systems Administrator -------- CaseIQ or i-Sight (Remote) ------- *Jan 2022 – July 2022*

- ❖ Spearheaded the containerized deployment of Yellowfin with Docker, Java, & PostgreSQL.
- ❖ Quickly resolved SQL operations for MySQL and PostgreSQL including: retrieving deleted reports, resolving database corruption, optimizing performance, password resets, migrations, data extraction, transform, load, & building replicas for read only access.
- ❖ Designed solutions for secure backup and storage for global customer base with Veeam, Azure, AWS, & cloud storage mounts: cifs, blob, file shares, Azure Storage Account, Azure Blob, & AWS EBS.
- ❖ Improved & maintained DNS/Mail/security with Nginx Reverse Proxy, SPF, DMARC, SSL, CSRs, & DKIM.
- ❖ Audited & provisioned external access through Checkpoint Firewall, Checkpoint, VPN, ClearSwift Mail Gateway, & PaloAlto (Azure VM and AWS PaloAlto).

Skills

ML-Ops (Machine Learning Operations)

- ❖ Manipulating, filling, formatting, transforming large datasets with Pandas, Scikit-Learn, & VBA.
- ❖ Best practices for design, storage, and Jupyter Notebook models that are easily shared with python-based tools Miniconda conda environments.

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❖ Managing, creating, and shaping arrays and performing operations with arrays with NumPy.
❖ Plotting data and visualizing it with matplotlib.
❖ Modelling of classification problems with Scikit-Learn, data prep, data split, training, testing, evaluation, & sharing with pickle.
❖ Designing Machine Learning algorithm for regression models using Scikit-Learn.

Kubernetes ------------------------------- *Portfolio:* https://kubernetes.shahdevelopment.tech/

❖ Designing multi-replica, multi-deployment, & multi-node Kubernetes Cluster in AWS with Nginx Ingress Controller (AWS Network Load Balancer) monitored with Lens Prometheus Monitoring integration.
❖ Automating deployment process from git push through build, test, and deployment of the source code with Jenkins, Helm, & Kops.
❖ Kubernetes design and development for the following frameworks/technologies: NodeJS, Java, & Python.

Docker -- *Portfolio:* https://shahdevelopment.tech/

❖ Designed multi-replica Docker Swarm with NodeJS & Python API; Enabled communication between front end and backend.
❖ Developed hardened security through Nginx route control, AWS security groups, CORS, & SSL.

JavaScript

❖ Stack experience Node.JS, Docker Swarm, Docker Compose, Kubernetes, HTML, CSS, NeDB, Linux, Nginx, GoDaddy, AWS EC2, SonarQube testing, & NPM.
❖ Complete knowledge of automating dependencies, runtime, and package requirements for NodeJS app deployments with NPM.

Java

❖ Skilled in automating the build process of Java applications with tools like Jenkins Pipelines, GIT, Maven, SonarQube, Nexus, unit testing, Docker, AWS ECS, GitHub actions, ActiveMQ, & Tomcat.
❖ Working with JSP, Servlets, JDBC, Java dependencies, deploying webserver on Apache Tomcat, & installing Java/JRE.

Python ------------------------------------- *Portfolio:* https://fastapi-shah.herokuapp.com/docs/

❖ Proficient in full-stack development of Python APIs & webservers, utilizing frameworks such as FastAPI, Django, Flask, Pytest, Pandas, NumPy, Conda, API Requests & design, Alembic, & Postgres.
❖ Designed secure webservers for deploying Python API in/using: Kubernetes, Docker Swarm, AWS ECS, & Nginx.

Databases

❖ Designed databases including normalizing data attributes into tables, dependency planning, implementation of primary key foreign key relationships.
❖ MySQL, PostgreSQL, MariaDB, MongoDb, Microsoft SQL Server, & Redis (Design methodologies).

Linux

❖ Expertise creating services, building automation, & deploying various applications in both RPM and Debian based systems.
❖ Complete understanding of CentOS & Ubuntu including: packages, users, permissions, file system, & networking.

*** Portfolio sites are running daily by 10 AM PST & stopped daily by 5PM PST**