# Shahjehan H. Solehria

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## Summary

Built first web app seven years ago at BCIT! Specializing in full-stack SAAS processes including hardware, Cloud, servers, software development, automation, monitoring, response management, & security.

## Work Experience

**Project - Site Reliability Engineer, shah development (Delta, BC, CA)**          May 2023 – Feb 2024
- Secured and modernized previously static JavaScript website, migrating to a NodeJS API model.
- Built new Docker images & re-engineered NodeJS site to run in a multi-container Docker Swarm Cluster.
- Improved scalability by migrating from Docker Swarm config to a Kubernetes Cluster config in AWS cloud defining all Kubernetes definition files including deployment, secrets, services, & Nginx Ingress Controller.
- Sped up code testing, build, artifact storage, deploy, & cleanup with Jenkins Pipeline implementation with SonarQube code analysis.
- Secured site with Nginx Ingress Controller Deployment with TLS (SSL) certificates, secured API transfers of data, parameterized secrets in Jenkins pipeline (groovy script), and at rest code security in GitHub.
- Automated code deployment with polling of GitHub repo.

**Company Sold - System Administrator, CaseIQ (Ottawa, ON, CA)**          Jan 2022 – Nov 2022
- Supported and deployed Nodejs microservices & Java applications in Azure, AWS, and VMWARE Datacenter.
- Spearheaded containerized deployment of Yellowfin with NGINX, Docker, Java, & PostgreSQL.
- Recovered lost or corrupted data in SQL databases and enforced security on new deployments.
- Designed GDPR compliant secure cloud backup & storage solutions for global customer base in the cloud.
- Enforced and improved compliance with security standards for mail-gateway (SPF, DMARC, & DKIM), Checkpoint Firewall, VPN, Palo Alto, AWS, Azure, AzureAD or EntraID, and NGINX reverse proxy config.
- Successfully rebuilt many BI servers (Java and PostgreSQL) and Docker Swarm Microservice Applications (NodeJS, RabbitMQ, MySQL, and Elastic Search).
- Managed/fixed many aspects of DevOps environment including Jenkins, secrets, Ansible, Build steps, & scripting for developer issue escalations!
- Implemented secure automation workflows in file management systems, encryption, and data transfers.

**COVID Layoff - IT Manager, True Mechanical (Burnaby, BC, CA)**          Sept 2020 – Apr 2021
- Reduced costs by screening/implementing network, infrastructure, & software asset change requests.
- Optimized OS on workstations for smooth processing of AutoCAD/3D modelling software.
- Systematically enforced licensing compliance by working with Microsoft on software audit.
- Reduced costs by screening network, infrastructure, & software asset change requests for fixes.
- Optimized configurations for switches, Network Attached Storage (NAS), ethernet cables, desktops, Wireless Access Points, printers, Servers, Patch Panel, MDM, & end-user devices.
- Solved consistency and reliability issues with reporting by compiling data from multiple databases, automating reports, & visualizing performance metrics.
- Successfully developed in house company website using JS, HTML, and CSS.
- Provisioned access for Active Directory, VMWARE, Office 365, Licences, & VPN access.

## Education

**Bachelor of Business Administration, Business IT Management**          Sept 2016 – Dec 2020
School of Business + Media, British Columbia Institute of Technology (Burnaby, BC)

## Accomplishments

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|---|---|
| Web Security & Bug Bounty, Udemy | Dec 2023 |
| DevOps with Projects, Udemy | Aug 2023 |
| AZ-303 Azure Architecture Technologies, Udemy | Dec 2021 |
| AZ-104 Microsoft Azure Administrator, Udemy | Aug 2021 |
| AWS Certified Solutions Architect Associate, Udemy | Aug 2021 |

## Skills

- Java, Python, GitHub Actions, NPM, Pip, Maven, Helm, Groovy-DSL, GIT, NEXUS
- IaC, Terraform, Ansible, DSC, CloudFormation
- Cisco switches, Cisco routers, DNA, VPN, WAN, SD-WAN, HSRP, OSPF, STP, SDN, NETCONF, RESTCONF, SNMP, ISIS, BGP, MPLS VPN, TCP/IP, VLAN, DHCP, DNS, IPS, IDS, PKI, ACL, SNMP, Syslog, NMS, NTP, RADIUS, AAA Authentication, HSRP, NAT, LDAP, and RIP)
- ERP, Business Process Mapping, SYSPRO, CRM
- Data Analysis, data modelling, Excel, Tableaua, Power BI, visualizations, Power Query, M Code, DAX, BI, Star Schema, Snowflake, Pandas, API, MATLAB, MYSQL, NoSQL, MongoDB
- EC2, AWS Code Build, AWS CLI, AWS RDS
- Azure Networking, ARM Templates, Azure CLI, Azure AD, Entra ID, Azure Migrate, Azure Kubernetes Service, Azure Container Apps, Azure Container Registry, Storage Accounts, Virtual Networks
- Disaster Recovery Planning, Backups, Veeam, SAN
- Microsoft Office, Microsoft 365, Exchange, RDP, Active Directory, SharePoint, OneDrive, Intune, Microsoft Defender, Microsoft SQL Server, Teams, PowerShell, Windows Server, GPO
- JSON, XML, YAML
- REST API, SOAP, OAUTH 2.0, SFTP, FTP, TLS or SSL
- Burpsuite, penetration testing, Wireshark, NMAP
- Linux, Red Hat, Ubuntu, NFS, CRON, Bash, Shell Scripting, iptables
- Jira workflow automation, Jira API, Jira Security
- GCP, BigQuery, Google App Scripts, Google Cloud Monitoring, GCP Functions, GCP Log Sinks, GCP PubSub