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

Site Reliability Engineer, Shah Development (Delta, BC, CA) May 2023 – Present
- 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 Kubernetes definitions including deployment, secrets, services, Kops AWS Cluster, Route53, TLS (SSL), & Nginx Ingress Controller.
- Sped-up code testing, build, artifact storage, and deploy with a Jenkins Pipeline implementation.
- Secured Web App to hide sensitive data using API transfers of data, separation of front-end from back-end, parameterized secrets in Jenkins pipeline (groovy script), and using environment variables for code runtime.
- Automated code deployment with trigger by polling of GitHub repository for commits and setup notifications to Slack.
- Streamlined communications by designing a form submit email capability for easier communication on the site using Twilio SendGrid email service.

Support Analyst, M1 Innovations (Vancouver, BC, CA) Feb 2024 – April 2024
- Enabled monitoring of BigQuery import failures, auto creating Jira tickets via API (GCP Functions, Log Sink, triggers, & Pub/Sub).
- Automated reporting/data modelling in Excel using API based ETL pipelines from QuickBase tables.
- Defined business process workflows in Jira to automate, message, and secure.
- Maintained Tableau reports to accurately represent company standing to stakeholders.
- Solved consistency/reliability issues with reporting migrating to Power BI reporting system. Optimized/sped up reporting in Power BI with migration to Star schema denormalized data models.
- Resolved site outage with GCP Big Query Data Pipelines (Google App Script & Tableau).
- Improved processes in QuickBase database by modifying report views, data input forms, & fields.

System Administrator, i-Sight (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.
- Recovered Java servers and Node.js Docker Microservices apps (RabbitMQ, MySQL, and Elastic Search).
- Fixed issues with DevOps environment including Azure, AWS, Jenkins, and Ansible.
- Implemented secure automation workflows in file management systems, encryption, and data transfers.

IT Manager, Omega Electrical & Mechanical Contractors, (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 automating reports & visualizing performance metrics.
- Successfully developed in house company website using JavaScript, 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

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
- OpenStack
- C++