

# Shahjehan H. Solehria

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## Summary

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Over half a decade of experience with full stack web applications and development for business processes including hardware, cloud, servers, software development, automation, monitoring, response management, and security.

## Work Experience

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### 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 and 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: deployment, secrets, services, KOPS IaC, AWS, Route53, TLS (SSL), and 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 designing page with email capability using Twilio SendGrid email service.
- Resolved major vulnerability in NEDB database by migrating to PostgreSQL database instead.

### Support Analyst, M1 Innovations (Vancouver, BC, CA)

Feb 2024 - April 2024

- Enabled monitoring of BigQuery failures, auto creating Jira tickets with GCP Functions, Log Sink, triggers, and PubSub.
- Automated reporting and 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 and reliability issues with reporting migrating to Power BI reporting system. Optimized 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 and Tableau).
- Improved processes in QuickBase database by modifying report views, data input forms, and fields.

### System Administrator, i-Sight (Ottawa, ON, CA)

Jan 2022 - Nov 2022

- Supported and deployed Nodejs microservices and Java applications in Azure, AWS, and VMWARE Datacenter.
- Spearheaded containerized deployment of Yellowfin with NGINX, Docker, Java, and 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 and Mechanical Contractors (Burnaby, BC, CA)

Sept 2020 - Apr 2021

- Reduced costs by screening and implementing network, infrastructure, & software asset change requests.
- Optimized OS on workstations for smooth processing of AutoCAD modelling software.
- Systematically enforced licensing compliance by working with Microsoft on software audit.
- Reduced costs by screening network, infrastructure, and 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, and end-user devices.
- Solved consistency and reliability issues with reporting by automating reports and visualizing performance metrics.
- Successfully developed in house company website using JavaScript, HTML, and CSS.
- Provisioned access for Active Directory, VMWARE, Office 365, Licences, and VPN access.

## Education

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### 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 and 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

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- Java, Python, GitHub Actions, NPM, Pip, Maven, Helm, Groovy-DSL, GIT, NEXUS, Prometheus, Grafana, PRTG
- 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, Tableau, 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, Snyk, DevSecOps
- 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, and Ceph
- C++