Shahjehan Solehria

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Professional Summary

Half a decade of experience bridging the gap between full stack software, automation, and business goals!

Work Experience

Freelance Site Reliability Engineer, shah development (Delta, BC, CA)   May 2023 – June 2024
- Modernized monolithic GitHub pages JavaScript website, migrating to Linux NodeJS Docker Swarm API application.
- Evolved from Docker Swarm to Kubernetes Cluster in AWS, defining deployment, secrets, ingresses, services, KOPS, S3, Route53, TLS or SSL, and Nginx.
- Automated testing, build, artifact storage, trigger, Slack notifications, and deploy with CI/CD Pipeline in Jenkins.
- Secured app by storing sensitive data on a backend using API calls for access by front end and at rest code security.
- Streamlined communications designing page with email capability using Twilio SendGrid email service.
- Mitigated major vulnerability in NEDB database by migrating to auto created PostgreSQL database instead.
- Site running at https://kubernetes.shahsportfolio.online/; Site code at https://github.com/shahdevelopment/.

Senior IS Network Administrator, Electrameccanica (*Offices in Canada Closed*)   Dec 2022 – Feb 2023
- 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, and secured the entire process with Veeam backups.
- Quickly learned network setup, CLI configuration, & console management of Fortinet FortiGate firewalls, and 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.

System Administrator, i-Sight (Ottawa, ON, CA)   Jan 2022 - Nov 2022
- Supported and deployed Nodejs microservices and Java applications on Linux in Azure, AWS, and VMware.
- Spearheaded containerized deployment of Yellowfin with NGINX, Apache, 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.
- Improved security with mail-gateway, SPF, DMARC, DKIM, Checkpoint, VPN, Palo Alto, AWS, Azure, and reverse proxy.
- Recovered Linux Java servers and Node.js Docker Microservices including Redis, RabbitMQ, MySQL, and Elastic Search.
- Fixed issues with DevOps environment including Azure, AWS, Jenkins, Kubernetes, OpenShift, 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
- Optimized Windows on workstations for smooth processing of AutoCAD modelling software.
- Reduced costs by screening and implementing all network, infrastructure, and software asset change requests.
- Supported switches, NAS Storage, ethernet, wireless access points, Windows Server, and VMware hypervisor.
- 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.
- Managed access using Active Directory, Office 365, VPN, and enforced licensing compliance: Microsoft ELP audit.

Contract ERP System Administrator, ABC Recycling ltd. (Burnaby, BC, CA)   Mar 2020 – Jul 2020
- Collected, cleaned, mapped, & input Master Data into test & production.
- Helped with data input, user stories analysis, hardware component integration, and system process design.
- Trained end-users, modified workflows, & distributed manuals.

IT Support Coordinator Intern, ActiveCo Technology (Port Coquitlam, BC, CA)   Jul 2019 – Oct 2019
- Proactively managed every inbound customer contact.
- Converted user stories into work for systems administrators.
- Self-learned documentation procedures for ConnectWise ticketing system.
- Coordinated installs & walkthroughs on-site with all stakeholders.
- Collected performance data and proposed changes to fix issues.
- Developed strong understanding of network infrastructure requirements.

Education

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

Accomplishments

Cisco CCNA 200-301, Udemy   June 2024
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

- **Computer Science:** IaaS, PaaS, CI/CD/CT, serverless, source control. continuous integration, continuous delivery, testing, monitoring, Infrastructure-as-Code, TDD, BDD, web/network protocols, security, data persistence, web development
- **Coding Languages:** Java, Python, JavaScript, JS, PowerShell, Bash, JVM
- **DevOps:** GitHub Actions, NPM, Pip, Maven, Helm Charts, Groovy-DSL, NEXUS, Git, K8, ArgoCD, Heroku, GitOps
- **.NET:** NuGet, Visual Studio, IIS, Visual Basic, C#
- **Security:** Burpsuite, penetration testing, Wireshark, NMAP, Snyk, DevSecOps, TCPdump
- **Linux or UNIX:** Red Hat, Ubuntu, NFS, CRON, Bash, Shell Scripting, iptables, Ubuntu, RPM, Deb, FPM
- **Windows:** Windows Server, Active Directory, MDM, SharePoint
- **Observability and Monitoring:** Prometheus, Grafana, PRTG, ELK, Elastic Search, Logstash, Kibana, Zabbix, APM
- **Azure DevOps:** Boards, Pipelines including tasks and artifacts, Repos, Releases, Scrum, Kanban, Agile, tasks, artifacts
- **AWS:** EC2, Code Build, CLI, RDS, EKS, ECS, VPC, Cloud Watch, Security Groups, IAM, boto3, DynamoDB, SQS, Lambda, API Gateway, SAM. NLB, ALB, AWS SNS, VPC Peering, Auto-scaling, Active-MQ, Control Tower, Event Bridge Scheduler, Kinesis Data Firehose, Secret Manager, RDS Oracle SQL, CloudFront
- **Azure:** Azure Key Vault, Private Link, Azure Backup, Azure SQL, ADLS, Azure Storage, Azure Data Factory, Azure Databricks, Azure Web App, Azure Functions, Logic Apps, Azure Monitor Azure CLI, Azure ADO, Azure Entra ID, Azure Application Gateway
- **Google Cloud Platform or GCP:** BigQuery, Google App Scripts, Google Cloud Monitoring, Functions, Log Sinks, PubSub, Google Kubernetes Service or GKE
- **Infrastructure as Code:** Terraform, Ansible, DSC, CloudFormation
- **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, RIP
- **Data:** data analysis, data modelling, Excel, Tableau, Power BI, visualizations, Power Query, M Code, DAX, BI, Star Schema, Snowflake, Pandas, API, MATLAB, Jupyter Notebook, Access
- **Databases:** NoSQL, MongoDB, SQL, T-SQL, Postgres Streaming Replication, Cassandra,
- **Backups:** Disaster Recovery Planning, Backups, Veeam, SAN
- **Markup:** JSON, XML, YAML
- **Protocols:** RESTful APIs, SOAP, OAUTH 2.0, SFTP, FTP, TLS or SSL, JDBC, SSO
- **Jira:** workflow automation, Jira API, Jira Security, KPI, Dashboards, JQL, SI, SLO, SLA
- **Virtualization:** OpenStack, Ceph, KVM, XCP-ng, Xen Server, Xen Orchestra, SAN, Proxmox
- **Miscellaneous:** MacOS, Open Source Software
- **Node.js:** Express