

Nelson Liang

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Experience

Junior Site Reliability Engineer, Verto Health – Toronto, ON Sep 2022 – Apr 2025

- Reduce development infrastructure cost by over 76% with optional scheduled shutdowns, Slack integration, accommodate VPN constraints, and security redundancy.
- Reduce product build times by over 60% via custom docker caching logic in CI pipelines.
- Review, design, and implement early iterations of our SIEM data ingestion pipeline.
- Discover, review, and resolve over 100 security vulnerabilities as part of our SOC2 compliance.
- Create and deploy custom tooling and infrastructure to ingest and monitor security logs.
- Schedule services on VMs to monitor applications and ensure a 99% service uptime or be alerted of downtimes.
- Work with Azure cloud resources, such as AKS, ACR, Key Vault, and Storage Account, etc.
- Administrate, deploy, monitor, and migrate Kubernetes resources and databases.
- Configure network settings such as DNS records, Subnets, Firewalls, and Private Endpoints, etc.
- Deploy third-party data visualization software and seamlessly integrate them as embedded dashboards.

Full Stack Software Engineer, Penfield AI – Remote May 2022 – Aug 2022

- Develop new frontend components and features in our product dashboard for our clients.
- Implement backend Web API to query data for product frontend and other services.
- Work in an Agile software development cycle. Participate in scrums, sprints, and releases.

Developer, Sticky Rice Games – Toronto, ON May 2018 – Jun 2020

- Review customer feedback and resolve their issues, resulting in 100% increase in game rating.
- Integrate Google Play and Steam SDK to the end product to enhance user experience and increase retention.
- Perform quality assurance testing for flagship products to ensure basic functionalities are met.

Education & Certificates

Toronto Metropolitan University Sep 2020 – Apr 2025

Bachelor of Science, Computer Science 4.0 GPA

Sheridan College Sep 2014 – Apr 2018

Bachelor of Game Design 3.68 GPA

CompTIA A+ Aug 2025

Technologies

Languages: Bash, JavaScript, Python, Ruby, TypeScript

Web Development: CSS, Express, FastAPI, Flask, HTML, Rails, React, Svelte, Vue

Databases: Elasticsearch, MongoDB, Opensearch, PostgreSQL, Prisma, Redis, SQLite

DevOps: Argo CD, Github Actions

Infrastructure: Apache Kafka, AWS, Azure, Databricks, Docker, Helm, Kubernetes, Kured, OPA Gatekeeper, Service Meshes, Terraform

Security & Monitoring: Elastalert, Grafana, Prometheus, Promitor, Sentry, Sonarqube, Telegraf, Trivy, Wiz

Other: Apache Spark, Cloudflare, Jira, K6, Selenium, Slack, Superset, WebRTC, Zendesk