

Nelson Liang

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Experience

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

- Reduce development infrastructure cost by over \$350K with optional scheduled shutdowns, Slack integration, and security redundancy.
- Reduce product build times by over 60% via custom caching logic in CI pipelines.
- Review, design, and implement early iterations of our SIEM data ingestion pipeline.
- Create and deploy custom tooling and infrastructure to ingest and monitor security data.
- Work with Azure cloud resources, such as AKS, ACR, Logic App, 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.
- Create cronjobs and services on virtual machines to monitor service uptimes.
- Deploy third-party data visualization software and seamlessly integrate them into existing products as embedded dashboards.
- Develop applications from third-party APIs to improve internal infrastructure.

Full Stack Software Engineer Intern, 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.
- Documentation of repositories for team members on how to deploy and use a code repository.

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

- Integrate Google Play and Steam SDK features to the end product.
- Perform quality assurance testing before product releases.

Education

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

Technologies

Languages: Python, JavaScript, Ruby, Bash

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

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

DevOps: Github Actions, Argo CD

Infrastructure: Azure, AWS, Databricks, Docker, Kubernetes, Apache Kafka, Helm, Terraform

Security & Monitoring: Wiz, Trivy, Sonarqube, Elastalert, Grafana, Prometheus

Other: Apache Sparks, Jira, Zendesk, Slack, K6, Cloudflare, Superset, WebRTC