

# Harsh Panchal

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## TECHNICAL SKILLS

**Languages:** Bash, C, Dart, Java, JavaScript, Python, SQL, TypeScript, YAML

**Tools:** Azure, Docker, Electron, Flutter, Git, Jira, JFrog, Kubernetes, Linux, LoadRunner, Postman, ServiceNow, Vue 3

**Principles:** Agile, Data Structures & Algorithms, Object-Oriented Programming, Scrum, Test-Driven Development

## EXPERIENCE

### Sun Life

*Site Reliability Analyst Intern*

September 2025 - December 2025

Toronto, ON

- Developed and executed **API scripts** using **OpenText VuGen** for **performance testing**, ensuring accurate simulation of real-world scenarios.
- Validated test results in **LoadRunner** simulating **2000+** users, identifying performance bottlenecks and contributing to **system reliability** assessments.
- Reduced manual effort by **automating** deployment and configuration tasks through **Ansible Tower**.
- Applied **Test-Driven Development (TDD)** principles to ensure high code quality, reducing post-deployment bugs.

### Government of Ontario

*Data Engineer Intern*

May 2024 - August 2024

North York, ON

- Leveraged **Databricks** and **Azure Data Storage** to manage and process **10+** large datasets, optimizing data workflows and enhancing storage efficiency.
- Developed and optimized **Python and SQL scripts** for data ingestion and transformation, improving data integrity by implementing a duplicate removal process across **bronze, silver, and gold data layers**.
- Automated** updates to the **data catalog and environment variables**, reducing manual update time by **97%**.
- Ensured **data security and compliance** with strict government protocols, contributing to the successful execution of a confidential project by adhering to rigorous confidentiality standards.

### Manulife

*Platform Reliability Engineer Intern*

September 2023 - April 2024

Toronto, ON

- Expertly managed and maintained artifacts using **JFrog Artifactory** with **500+** local, remote, and virtual repositories.
- Led development of creating and maintaining a status page of **cloud components** in use for internal employees, with **Angular, TypeScript, and YAML** for workflows to **Azure**, serving live status info for **200+** employees.
- Developed a **Cloud Community Hub** using **Microsoft Power Apps**, centralizing resources for **100+** employees, and integrating dynamic features to enhance productivity.
- Optimized resource management through **Bash scripting** for **Azure Kubernetes Service (AKS)**, leading to a improvement in application scaling.
- Collaborated within a **Scrum framework** to plan, execute, and monitor project tasks, ensuring efficient project management and timely delivery of cloud-based solutions.

## PROJECTS

### OneFinance | *Electron, TypeScript, Vue 3, Pinia, PrimeVue, SQLite, Tailwind CSS*

[GitHub](#)

- Engineered a **local-first** personal finance desktop application using **Electron** and **Vue 3**, prioritizing user privacy by persisting financial data strictly to an embedded **SQLite** database capable of querying **50,000+** records with **sub-50ms latency**.
- Architected a scalable state management system with **Pinia** to handle **multi-account tracking**, ensuring consistent **ledger organization** and instant search across **5+ years of history**.
- Designed a holistic, interactive dashboard using **PrimeVue** and **Tailwind CSS** that provides real-time synthesis of income and expenditures with **advanced data analytics**.

### JobFinder | *Python, Docker, GitHub Actions, Google Jobs Engine, SerpApi*

[GitHub](#)

- Developed an **automated** job aggregation tool using **Python** and **SerpApi** to scrape, filter, and analyze job listings from **Google Jobs Engine**.
- Engineered a fully containerized **CI/CD pipeline** using **GitHub Actions** and **Docker** to execute scheduled workflows, ensuring a consistent and reproducible environment.
- Implemented **intelligent filtering logic** and **de-duplication** to eliminate irrelevant results, reducing manual search time by **90%** through weekly reports.

## EDUCATION

### University of Ontario Institute of Technology

*Bachelor of Science in Computer Science*

September 2021 - April 2026

Oshawa, ON