

# Krish Krish

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## TECHNICAL SKILLS

**Languages:** Python, TypeScript, JavaScript, SQL, HTML, CSS, C, C++, Rust

**Libraries/Frameworks:** React.js, Next.js, Node.js, Flask, FastAPI, Pydantic, SQLAlchemy

**Tools:** Linux, Git, GitHub, Docker, Google Cloud Platform, PostgreSQL, Jira

## EXPERIENCE

### Robinhood

May 2025 - Present

*Software Engineering Intern, Web*

*Toronto, ON*

- Implemented 12 critical trading indicators, identifying and resolving hidden configuration errors affecting production trades to protect platform integrity and customer order accuracy.
- Refactored and stabilized React codebase by correcting over 80 TypeScript type assertions, significantly reducing runtime errors and boosting developer productivity.

### Hitachi Rail

January 2025 - April 2025

*Software Analyst Intern*

*Toronto, ON*

- Boosted **QA throughput 10x** by automating complex train test-case generation with LLMs in Python.
- Bootstrapped a test framework for legacy C codebase for train controllers.

### Bell Canada

May 2024 - December 2024

*AI & Data Engineering Intern*

*Toronto, ON*

- Created an automated translation tool using RAG and LLM, reducing translation costs from **\$4 million annually to just \$1,000**.
- Saved **10,000+ hours** and **millions** in costs annually by automating customer support training using LLMs.
- Implemented full stack applications using **React, Next.JS, Python, FastAPI and PostgreSQL**.

### DeltaHacks

July 2022 - Present

*VP of Technical*

*Hamilton, ON*

- Built a custom, full-stack hackathon platform, empowering **4,500+ users** with seamless event management.
- Engineered robust internal tools such as role-based administration for reviewing **3,000+ applications**, dynamic **QR code system** for id verification, meal tracking and more to support event and sponsorship teams.
- Led a team of 12 developers, collaborating across events, design, and sponsorship teams to create a cohesive and high-impact hackathon experience.

### Synergy Machines

May 2022 - August 2022

*Software Developer Intern LLC*

*Remote*

- Engineered **dynamic dashboard builder** in React, empowering users to create custom real-time visualizations.
- Optimized ESG data processing pipeline, handling **millions of data points** via PostgreSQL and Java Spring APIs.

## PROJECTS

### 🔗 Zercel - Vercel-style Deployment Platform | *Docker, VM Orchestration, Full Stack CI*

- Launched a self-hosted PaaS that takes a **git push** to a **live URL in less than 60s**.
- Designed a budget-friendly build system using on-demand VM, cutting CI costs by **90%** versus Google Cloud Build.
- Built a wildcard-SSL edge router for **zero-downtime** deployment upgrades and rollbacks.

### 🔗 GitFaster - Lightning-Fast GitHub UI | *Next.js 15, React, Redis*

- Prototyped a high-performance GitHub client powered by rich prefetching and efficient Redis caches.
- Showcased modern Next.js patterns (App Router, RSC) in a polished developer UX; fully open-sourced on GitHub.
- Winner of the "Fastest App"** category at the **2025 Next.js Global Hackathon** (top 3 of 1 500+ teams).

### 🔗 JSON Parser in Rust | *Rust, JSON, Parsing, AST, Trees*

- Built a hand-written JSON parser in **under 500 lines of code**, parsing JSON source from a string and constructing objects in memory.
- Published a blog post on my website with 50,000+ views, explaining parsing and tree-based data structures.

## EDUCATION

### McMaster University

*Bachelor of Science in Computer Science — GPA: 4.0*

*Hamilton, ON*

*Sept. 2021 - Apr. 2026*