

# Devin Sit - Full Stack Developer

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## Skills

**Frontend** JavaScript/TypeScript, React, Redux, Sass, UI Design  
**Backend** Node/Express, Python/Flask, Elixir/Phoenix, Postgres, Solr  
**DevOps** Linux, Git, Docker, Kubernetes, Google Cloud, CI/CD

## Experience

**Software Engineer — Scotiabank, Global AI & ML** Sept 2021 → Present

Responsible for developing and maintaining the bank's internal and customer-facing search engines using React, Node/Express, and Solr. Additionally, collaborated across teams and disciplines to design and deliver AI/ML solutions to fill key business needs using Python.

- Refactored and improved the design of the React frontend for Scotiabank's internal search engine, including breaking down its lone multi-thousand-line CSS file into reusable components and introducing improved frontend development practices.
- Significantly improved search relevance across the board by tracking down and fixing obscure bugs with the Solr search ranking algorithms.
- Diagnosed and fixed significant performance problems with an ML solution, leading to a practical 99% improvement in response times.
- Tech used: JavaScript, React, Node/Express, Python/FastAPI, Solr, Nutch, MongoDB, etc.

**Founder — uFincs**

Jan 2020 → Present

uFincs is the open-source, privacy-first way of taking control of your finances. Think a modern web app version of GnuCash that syncs seamlessly across all of your devices but e2e encrypted and offline-first.

- Built and designed from scratch a full-stack web application with a custom design system to provide a responsive, offline-first experience.
- Architected and maintained production-level cloud infrastructure in GCP, including a GKE cluster with a sophisticated CI/CD deployment pipeline.
- Tech used: TypeScript, React, Redux + Sagas, Sass, FeathersJS, Postgres, GCP.
- GitHub repo: <https://github.com/uFincs/uFincs>.

**Full Stack Developer (Co-op) — ISED Canada, CDH Studio**

May 2019 → Aug 2019

- Led a team of interns to design and develop a skills discovery platform (Skillhub) from initial idea conception to final product delivery using React, Node/Express, and Kubernetes.
- Developed a machine learning model using Python and Scikit-Learn to instantly identify which projects employees had contributed to for categorizing them on Skillhub.

**Full Stack Developer (Co-op/Part-time) — Pythian**

May 2016 → Aug 2016, Jan 2017 → Dec 2018

- Frontend React development for a company-critical internal web application.
- Productionalized machine learning models into a Cloud-native, scalable Python/Flask API, resulting in a potential savings of millions of dollars for the client.
- Contributed towards the achievement of Pythian's GCP Machine Learning specialization by developing a web app that performed toxic speech classification on videos using machine learning, React, Terraform, and Kubernetes.

## Side Projects

**Knopic** ([getknopic.com](http://getknopic.com), not public/open source yet)

Sept 2022 -> Present

A hybrid Notion + Slack personal knowledge management app I've been building for myself. Tech used: TypeScript, React, Redux + Sagas, Sass, Elixir, Phoenix, Postgres, tiny bit of Rust.

## Education

**BASc in Software Engineering**

Sept 2015 → Dec 2019

*University of Ottawa*