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, Terraform, Google Cloud, CI/CD
ML Engineering	ML productionalization, high-level ML concepts

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 of Scotiabank's internal search engine, including breaking down its single 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 the ground up a full-stack web application that used 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.
- Provided mentorship to teach new skills, technologies, and impart industry best practices.

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-based, 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.
- Spearheaded the development of a new customer-facing web portal using the latest and greatest in Salesforce Lightning.

Education

BASc in Software Engineering   Sep 2015 → Dec 2019
University of Ottawa