

Aaron Spindler

Senior Software Engineer

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Senior Software Engineer with a proven record of building and scaling software in highly regulated industries, including health tech, logistics, and government. Delivered automation that saved \$10M+ annually, led payments architecture handling \$55M+ across 500+ providers, and co-chaired API governance to establish agency-wide standards. Skilled in Python, Django, React, PostgreSQL, and cloud infrastructure, with expertise in CI/CD, test coverage, and automation. Recognized for mentoring teams, fostering collaboration, and driving efficiency, reliability, and compliance in complex systems.

EXPERIENCE

Senior Software Engineer

Pearl Health | 2022 - Present

- Spearheaded AI enablement initiatives, integrating LLMs and automation tools to accelerate development workflows and improve engineering efficiency.
- Pioneered the automation of payments validations and streamlined processes, significantly reducing technical debt and eliminating manual bottlenecks.
- Drove the development of comprehensive technical specifications and provided leadership to a dynamic team, successfully integrating financial performance indicators into our client-facing application to increase transparency and insights.
- Technologies utilized: Python, Django, Typescript, Dbt, PostgreSQL, Celery, AWS, CircleCI

Software Engineer

ShippingTree | 2021 - 2022

- Lead design and development for new features and integrations that improved overall efficiency and reliability.
- Increased test coverage from 5% to 67% and implemented CI/CD pipeline to improve code quality and speed of release.
- Technologies utilized: Django, React, PostgreSQL, Redis, Celery, Kubernetes, Github Actions

Software Developer

Canada Border Services Agency | 2020 - 2021

- Designed and developed web automation application that reduced processing time for permit holders at point of entries by 93%, resulting in \$10M+ in savings per year.
- Co-chaired API Center of Excellence and lead team to develop API standards and best practices agency wide.
- Implemented and maintained CI/CD infrastructure to seamlessly develop and deploy new features with minimal downtime.
- Provided training to co-op students and border service officers on automation application.
- Visited Port of Entries to identify bottlenecks that can be solved with emerging technologies.
- Attended virtual conferences to improve understanding about global standards and methodologies regarding API Design and Automation solutions.
- Technologies utilized Django, AWS, PostgreSQL, Redis, Huey, Selenium, and BeautifulSoup

PROJECTS

Team Bio (<https://team.bio>)

Open Source

Lead the development of an open-source web application designed to enhance cross-team relationships within a corporate environment. Leveraging a skillful integration of OpenAI, Mapbox, Stripe, and Google APIs, the platform seamlessly combines a suite of features to foster engagement and streamline collaboration. Features include personal profiles, company map, and AI generated profile based trivia.

SKILLS

Technical

Python / C# / Javascript

React / NextJS / Tailwinds

Django / DRF / Celery

PostgreSQL / Dbt / Redis

Object-oriented design / TDD / Agile

Professional

Effective communicator

Team player

Strong problem solver

Results orientated

ACHIEVEMENTS

Launched 2 successful businesses

Mentored Junior Developers to a 1st place finish at FRC World Championship

PASSIONS

Travelled solo to over 11 countries

Built cryptocurrency mining farm

Active open source contributor

EDUCATION

Incomplete - BSc

Ontario Tech University

2015-2017

Majored in Computer Science

Completed 2.5 Years