

# Ti Bui

Toronto ON Canada

Portfolio - [tibui.dev@gmail.com](mailto:tibui.dev@gmail.com) - [Linkedin](#) - [GitHub](#)

## TECHNICAL SKILLS

**Working Knowledge:** JavaScript, React, NextJS, Python, FastAPI, Pydantic, TypeScript, HTML, CSS, NodeJS, Lambda, RDS, Serverless, Scrapy, BeautifulSoup, Git, PostgreSQL, CI/CD, RESTful API

**Exposed To:** Django, ECS, EC2, Docker, MySQL, Jupyter Notebook, Framer Motion, GSAP, ThreeJS, GLSL Shaders, React Three Fiber, SASS, ExpressJS, Figma

## WORK EXPERIENCE

### Fullstack Software Engineer (Contract)

MultplAI, Toronto ON

Jan 2024 - Present

**Tech stack:** Python, Typescript, NextJS, Tailwind, FastAPI, Flask, Pytest, Playwright, ScrapeOps, Scrapy, PostgreSQL, ECS, Lambda, ElastiCache, Git, GitHub Actions

- Leading a 5-member engineering team, adopting Agile methodologies to streamline the SDLC. Proactively proposing process improvements on an ongoing basis. By leading sprint planning, daily stand-ups, and retrospectives, increased team velocity by 18% since I took over.
- Significantly boosted web scraping accuracy for dynamic job boards from 35% to 90% using FastAPI, Scrapy, BeautifulSoup by closely examining data structure, creatively combining different scraping strategies and conducting rigorous back-testing.
- Spearheaded migration from CloudWatch to BetterStack for Lambda observability, optimizing distributed system monitoring, integrating logging, tracing and metrics, resulting in streamlined debugging in staging and production environments.
- Engineered VPC networking with NAT Gateway to enable seamless communication between ElastiCache and Lambda within a private subnet, and with external ECS. This implementation enabled cache operations development, resulting in real-time scraping status monitoring on the UI and eliminating the previous 15-minute wait time for users.
- Led the design and development of a job tracker front-end and plug-in using Next.js, Plasmio, and TypeScript, styled with Tailwind CSS. Enabled users to efficiently scrape, dynamically display, filter, and manage the status of thousands of job applications, resulting in a 20% faster user workflow.
- Initiated and led implementation of comprehensive backend unit testing with Pytest, E2E testing with Playwright and integrating automated tests via GitHub Actions to ensure a robust CI/CD pipeline, achieving 99.5% availability and 30% cost savings in the first 3 months.

### Frontend Developer (Contract)

ClaimTradium Corp, Toronto ON

Jan 2024 - Mar 2024

**Tech stack:** Typescript, Next.js, Tailwind, DaisyUI, Figma, Git, GitHub

- Led frontend development using NextJS and Typescript, culminating in the successful deployment and launch of the web application with its own domain.

### Photographer

Self-employed, Ho Chi Minh city, Vietnam

Jun 2018 - July 2021

- Played a key role in guiding visual decisions for showcasing startups' products on social media, resulting in a significant 10X increase in social media engagement and consistently sold out products over six months.

## EDUCATION

BrainStation, Ontario

Mar 2023 - Aug 2023

### Diploma in Software Engineering

Concordia University, Montreal QC Canada

Jan 2023 - Apr 2023

### Bachelor of Arts - BA, Philosophy