

# Jack Fischer

 Full-Stack Web Developer.  Occasional Adventurer.  Big Fan of Garlic Naan.

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**Personal Site:** <https://jackbuildstech.com> | **GitHub:** <https://github.com/sunspla-sh>

## Experience

### Full Stack Web Developer

July 2023 - Jan 2024

*Site Impact* (<https://siteimpact.com>)

- Due to a multi-year non-disclosure agreement, I cannot discuss the product being built by Site Impact. My team, however, was full of wonderful people and I'm happy to call them friends.
- Technologies used included the following: PHP, TypeScript, Vue, NextJS, NestJS, TypeORM, MySQL, MongoDB, Keycloak, MinIO, Mailpit, Docker, Kubernetes, Google Cloud Platform (GCP), GitHub Actions, etc

### Full Stack Web Development Instructor (Contractor)

Mar 2022 - Jan 2023

*Ironhack* (<https://ironhack.com>)

- My former students collectively earn roughly \$800,000-1,000,000 in annual income as junior web developers (or similar tech jobs) with an average salary in the \$50,000-60,000 range (representing a 50-100% increase in annual income for most of them, because they primarily came from a hospitality or retail service background)
- Taught 4 cohorts of students to use modern, full stack web development technologies such as the following: HTML, CSS, JavaScript, Mobile-first (Responsive) Design, Express, Handlebars, Databases (MongoDB), ODMs (Mongoose), Single-page Applications (React), Version Control (Git and Github), Unit Testing (Jest), Deployment, etc.

### Founder/Full Stack Web Developer

Aug 2020 - Feb 2022

*Failed Startups*

- Rejected from YCombinator (a startup accelerator) with first startup in the geothermal industry. It was capital-intensive and we had no clear path forward (and no cash), so my co-founders returned to their jobs.
- Continued on solo with a second startup - scuba diving booking software-as-a-service. I tried to be smarter this time and build something that required no starting investment. I attempted to pre-sell based on UX/UI wireframes before coding it and found some interested users, but failed to get product-market fit before I ran out of savings.

**Front-End Web Developer (Contractor)**  
*Carnival Cruise Line (<https://carnival.com>)*

**Apr 2019 - Jul 2020**

- Built various front end sections of the carnival.com site including updated versions of the checkout review page within the booking engine, mobile menu, modals, banners, sliders etc
- A/B tested code and toggled features using Optimizely to verify that newly coded sections of the site increased overall customer conversions/revenue
- Hired and managed 4 employees/subcontractors doing frontend web development, UX/UI design, and data analytics, who were billed under me and worked alongside me at Carnival

## **Projects (Practice & Personal)**

### **1) JobAppTrack.com (Web Application and Chrome Extension)**

(<https://github.com/sunspla-sh/simple-job-app-tracker-react>)

Technologies Used:

*Docker, Vite, React, CSS, JavaScript, Prisma, SQLite, Node.js, Express, Nodemailer, Handlebars, Open Graph Protocol, CRXJS, pnpm, TurboRepo, Socket.io (Websockets), Fly.io*

### **2) GitBoxDraw.com (Web Application)**

(<https://github.com/sunspla-sh/github-commit-text-generator>)

Technologies Used:

*Vite, Sass, HTML, JavaScript, Open Graph Protocol, Node.js, Rollup, JavaScript Obfuscator (Rollup Plugin), npm, DigitalOcean*

### **3) IPomg.com (Web Application)**

(<https://github.com/sunspla-sh/ipomg-static>)

Technologies Used:

*Vite, TailwindCSS, HTML, CSS, JavaScript, MaxMind GeoLite2 DB, Node.js, Express, npm, DigitalOcean*

*Other practice/personal projects can be seen on GitHub at [github.com/sunspla-sh](https://github.com/sunspla-sh)*

## Tech Skills and Theory

### Front-End Web Development

TypeScript, JavaScript, Single-page Applications (React, Vue), GraphQL, HTML, CSS, SASS, TailwindCSS, Mobile-first (Responsive) Design, D3, Vite, Chrome Extensions (CRXJS), npm, pnpm, Open Graph Protocol, Websockets (Socket.io)

### Back-End Web Development

Node.js, PHP, Web Application Frameworks and APIs (Express.js, Nest.js), Databases (MongoDB, PostgreSQL, SQLite), ODMs and ORMs (Mongoose, TypeORM, Sequelize, Prisma), GraphQL, Unit Testing (Jest), Puppeteer, Nodemailer, Email & View Templating (Handlebars), Websockets (Socket.io), MVC architecture, npm, pnpm, GeoJSON, TopoJSON, JSON, XML

### DevOps and Tooling

Version Control (Git), CI/CD (TravisCI, Github Actions), Cloud Infrastructure (DigitalOcean, AWS, GCP, Fly.io, Heroku), Docker, Kubernetes, Linux, Monorepos, Submodules (Git), Bundlers and Build Systems (TurboRepo, Rollup), Postman

## Other Skills

### UX/UI Design:

Figma (Low Fidelity and High Fidelity Wireframing)

### Languages:

English (Native),  
Spanish (CEFR - Level B1 - SIELE - [Credential ID li3knEHpdkjrFuagvJ7RA==](#)),  
Russian (CEFR - Level A2)

### Video and Image Editing:

Kdenlive (Video Editing),  
OBS (Video recording and livestreaming)  
GIMP (Image Editing)

## Education

### **Spanish (CEFR Level B1) - SIELE**

**Aug 2020 - Nov 2020**

I independently studied Spanish in Playa Del Carmen, Mexico to a tested level of CEFR Level B1 - Intermediate through the SIELE exam. CEFR Level B1 is high enough to gain entrance to some universities in Spain for a fully Spanish curriculum (no classes taught in English) such as [Universidad Complutense Madrid](#) while others require B2. My Spanish exam credential can be independently verified at the following website - <https://siele.org/en/comprobar-certificado> - using my credential ID: *li3knEHpdkjrFuagvJ7RA==*

### **Full Stack Web Development Boot Camp - Ironhack**

**Jan 2019 - Mar 2019**

10-week intensive (400+ hour) web development boot camp which complimented my existing computer science skills from some of my university classes

### **Russian (CEFR Level A2) - Moscow State University**

**May 2016 - Aug 2016**

I like learning languages. I studied Russian language and culture at Lomonosov Moscow State University during a summer abroad and also visited various cities in Russia.

### **Liberal Studies, B.A. - Iowa State University**

**Aug 2014 - Aug 2018**

I should have been focused on building technical skills instead of "following my passion" and taking a bunch of random liberal arts classes. Fortunately, younger me decided to fill some elective classes with computer science subjects, which led to my current career.