

# JARETH TAN

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GitHub: [github.com/jarethtan](https://github.com/jarethtan) | Portfolio: [jarethtan.com](https://jarethtan.com) | Blog: [dev.to/jarethtan](https://dev.to/jarethtan)

## **Self-Starter Frontend Developer w/ Deep Expertise in ReactJS/NextJS**

Data-driven engineer transitioning from 6+ years in oil and gas to web development after a full year of relevant intensive study focused on Frontend development. Latest frontend projects include web and mobile apps such as Eatsy Food and Heng Thai, leveraging JavaScript frameworks. Proven track record in problem solving and analysis that have resulted in CA\$150,000+ in cost savings, increased safety, and new revenue. Thrive working in hybrid, remote, and office environments with effective written and verbal communication between technical and non-technical teammates alike. High level of comfort working asynchronously across global time zones, leveraging relevant developer collaboration tools.

## **DEVELOPMENT SKILLS**

- |              |              |         |               |           |
|--------------|--------------|---------|---------------|-----------|
| • HTML       | • React      | • Redux | • RESTful API | • AJAX    |
| • CSS        | • NextJS     | • Git   | • SASS        | • NodeJS  |
| • JavaScript | • TypeScript | • Jest  | • Express     | • MongoDB |

## **PROFESSIONAL EXPERIENCE**

### **Freelance Web Developer** – Jareth’s Web Dev, Vancouver, Canada (Jul 2021 to Present)

- Design, develop, test, and maintain mobile first websites and web apps with modern JavaScript libraries and frameworks with backend database knowledge.
- Developed Eatsy Food, a food ordering web app that hosts 80+ menu items. React/NextJS and MongoDB as backend, user authentication with CRUD functionalities, Redux as state management.
- Produced a full stack web app, Heng Thai, for a property developer that uses Bootstrap, JavaScript, for frontend and NodeJS, Express, MongoDB for backend with image data managed by Cloudinary. WebApp established company’s web presence and improve buyer conversion rate by 10%.
- Built info dashboard for a wholesale company to display country’s Covid-19 data, leveraging fetch API to interact with multiple API end points and CSS Grid/Flexbox for styling and responsiveness.
- Created my portfolio website, [jarethtan.com](https://jarethtan.com) with React/NextJS framework and pure CSS for styling, contains short videos highlighting all freelance projects highlighted above.

### **Process Safety Engineer** – Inter Pipeline Ltd., Calgary, Canada (Apr 2020 - Jun 2021)

- Assessed and analyzed the engineering risk for the highest priority petroleum transportation and infrastructure projects, focused on increasing safety, efficiency, and transportation throughput
- Developed safety solutions based on risk analysis, presented to executive leadership and key stakeholders each month for input and approvals
- Surpassed over 3 million manhours without lost time injury when I left the company

### **Senior Process Engineer** – Singapore LNG Corporation, Singapore (Sep 2015 - Jan 2020)

- Reviewed designs to ensure quality standards were met liquefied natural gas (LNG) projects
- Developed communication process to ensure external contractors adhered 100% to requirements
- Lead engineer for all technical feasibility studies related to facility upgrades and new technology

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## EDUCATION & CERTIFICATES

**The Web Developer Bootcamp** – Colt Steele (2021)

**React Complete Guide Certificate** – Maximilian (2022)

**The Git and GitHub Bootcamp** – Colt Steele (2022)

**Masters of Engineering (M.Eng)**, Chemical Engineering (GPA: 3.5/4)  
University of Manchester, UK (2014)

## SKILLS & EXPERTISE

- |                        |                      |
|------------------------|----------------------|
| ✓ Self-starter         | ✓ Problem solver     |
| ✓ Leadership           | ✓ Highly analytical  |
| ✓ Strong communication | ✓ Data analysis      |
| ✓ Technical aptitude   | ✓ Financial modeling |