

JARETH JOSHUA TAN

Web Developer

A self-starter and data driven oil and gas engineering professional looking to transition into a role in web development after undergoing one year of intensive self-directed learning. A 7-year track record in troubleshooting, setting performance objectives, and seeing projects from conception to completion that resulted in significant cost saving/value creation for the organization.

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📖 stackoverflow.com/users/17516074/jareth-tan

WORK EXPERIENCE

Process Safety Engineer InterPipeline Ltd.

04/2020 - 06/2021

Calgary, Canada

Achievements

- Lead a team to identify/classify < 2000 critical instruments in a 9 month timeline by planning and monitoring the team's task which resulted in significant cost savings.
- Conducted < 20 risk management studies for teams of 5 to 8, by guiding/educating the teams on how to quantify and reduce risk in a methodological approach.
- Conceptualize and executed a plan to streamline close to 3000 risk recommendations by 80% (580+) which substantially reduced the man-hours required during implementation.

Contact: Gilles Orioux - Gilles.Orioux@interpipeline.com

Senior Process Engineer Singapore LNG Corporation

09/2014 - 01/2020

Singapore

Achievements

- Lead a team of engineers to upgrade a facility worth SGD \$2million with clear communication and leadership to ensure the project to be completed 2 months ahead of the schedule.
- Created an excel scheduling program with VBA to predict the facility's revenue (accuracy rate of +/- 95%) by optimizing the number of ships using the facility's ferry to transfer LNG.
- Conceptualize and implemented a LNG blending algorithm in house that saved the organization SGD\$150,000 in external expertise and consultant fees.

Contact: Yang Zihao - +65 8399 5925

EDUCATION

Masters of Engineering (Chemical Engineering)

University of Manchester / UK

09/2010 - 07/2014

Manchester, Second Upper Class

Courses

- Frequent communication with design teams and research on how to design an ultra-purity water treatment system for my dissertation. Achieved a result of 1st Class (Hons).
- Final year project to design a bio-refinery producing furfural. Ensure calculation are accurate with strong time management to meet the 6 months deadline. Achieved a result of 1st Class (Hons).

SKILLS

HTML React Typescript NodeJS CSS
MongoDB NextJS GitHub UI/UX
Axios Redux Bootstrap JavaScript
RESTful API Self-Starter Communication
Problem-Solving

PERSONAL PROJECTS

Heng Thai properties (09/2021 - 10/2021)

- Created and deployed (Heroku) a WebApp in two months, for a property business using NodeJS, HTML, CSS, JavaScript while backend and image data managed by MongoDB and Cloudinary.

Country Info Dashboard (11/2021 - 11/2021)

- Created and deployed (Netlify) an information dashboard interacting with multiple APIs using JavaScript fetch API, HTML and, only CSS for styling and CSS Grid/Flexbox for responsiveness.

To-Do List App (12/2021 - 12/2021)

- A simple to do list app created using ReactJS and CSS to familiarize with the key concepts of ReactJS.

Eatsy Food WebApp (02/2022 - 04/2022)

- Created and deployed (Vercel) a food ordering WebApp with NextJS framework and MongoDB as backend which host more than 80 food selections to choose from.
- User access and administrative controls with CRUD functionality and Redux as state management.

CERTIFICATES

The Web Developer Bootcamp by Colt Steele
(07/2021 - 08/2021)

React Complete Guide by Maximilian Schwarzmüller
(01/2022 - 02/2022)

LANGUAGES

English
Full Professional Proficiency

Chinese
Full Professional Proficiency

INTERESTS

Finance CryptoCurrency Biking Running