

# Totsawin Jangprasert

Lead Developer - Frontend

Throughout my career, I have experienced firsthand how technical best practices and good code quality can make products sustainable. I would dedicate the team first sprint for setting up foundation and team norms. Outside of work time, I keep exploring and write technical blogs. I have two strong passions: frontend development and human rights and freedom of expression in Thailand.



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## TECHNICAL SKILLS

<b>Programming Languages</b>	JavaScript, TypeScript, HTML, CSS	<b>Frameworks</b>	Angular(advanced), Vue, React, Svelte, AngularJS, SvelteKit, Strapi, Express
<b>Architecture Patterns</b>	Micro Frontends	<b>Platforms</b>	Azure, Openshift, Firebase
<b>Servers</b>	NGINX, NodeJS		

## WORK EXPERIENCE

### Lead Developer - Frontend ExxonMobil

09/2021 - Present

Bangkok, Thailand

Lead developer is a position of an expert developer with deep domain knowledge who develops code, mentors people, promotes code quality and technical best practices, and helps architects evaluating options

#### Achievements/Tasks

- Mentor frontend developers in the organization through coaching, pair programming and code review.
- Lead frontend discussions both within and cross teams.
- Improve software quality by setting up foundation for Angular application e.g. migrate TSLint to ESLint, replace Karma and Jasmine with Jest and Angular Testing Library, add Mock Service Worker, and set up local quality check workflow e.g. local SonarQube, and pre-push hook.
- Enable the frontend application deployment to be able to "Build once, deploy everywhere" by using configMap and volumeMounts.
- **Tech Stack** : Angular, HTML, CSS, NGINX, Azure Kubernetes Service (AKS)

### Team Lead ExxonMobil

04/2020 - 08/2021

Bangkok, Thailand

Advanced Customer Experience - eCommerce website for customer and internal users to manage their orders online.

#### Achievements/Tasks

- Decoupled new frontend from frontend monolith by adopting Micro Frontends architecture style into the organization.
- Improved user experience by reducing time to interactive (TTI) by 38% - from 17.8s to 11s - as captured by lighthouse by enabling the compression algorithm in the server.
- Increased software quality through adding Agile technical practices to the team.
- **Tech Stack**: AngularJS, JSP
- **Micro Frontends Tech Stack**: Angular, Web Components, Nx
- **Okta PoC Tech Stack**: React, NodeJS

### Core Team

#### ExxonMobil - Frontend Community of Practice

07/2020 - Present

Global

#### Achievements/Tasks

- Create frontend developer roadmap resulting in the organization development framework for frontend developers.
- Conduct sharing sessions to promote technical best practices and encourage adoption in the organization.

## WORK EXPERIENCE

### Senior Frontend Developer

ExxonMobil

12/2018 - 03/2020

Bangkok, Thailand

Automatic Stock Replenishment (ASR) - system that automatically makes purchase orders for customers to fulfill their inventories by utilizing connected data.

#### Achievements/Tasks

- Worked with architects and project leads to adopt the new architectural style resulting in more extensive decision making with technical expert point of view e.g. breaking up frontend monoliths into many smaller, more manageable pieces (Micro Frontends).
- Contributed out of immediate team to help more projects to deliver values with qualities and on schedule.
- Implemented product with strong technical practices and no compromise on code quality resulting in high maintainability (easy to support) and scalability (easy to scale) i.e. ASR product having more than 12k lines of codes has no Ocode smells, 0bugs, 0vulnerabilities and > 95% code coverage.
- **Tech Stack:** Angular, HTML, CSS, NGINX, NodeJS, Express, OpenShift

### Senior Frontend Developer

ExxonMobil

04/2018 - 08/2019

Bangkok, Thailand

Automated Offer Deployment - system that manages the creation and deployment of segmented Customer offers based on appropriate segmentation.

#### Achievements/Tasks

- Led frontend development to implement progressive features, while still delivering values on time e.g. lazy loading, PWA, 0 vulnerability.
- **Tech Stack:** Angular, HTML, CSS, NGINX, OpenShift

### Frontend Developer and Application Support Analyst

ExxonMobil

07/2012 - 03/2018

Bangkok, Thailand

## PERSONAL PROJECTS

Thailand Vision (05/2022 - Present)

- Create a website for promoting activities inside ExxonMobil Thailand using headless CMS and server-rendered framework
- link: <https://www.thvision.xom.cloud/>
- **Tech Stacks** : SvelteKit, Strapi, Azure Static Web Apps, Azure App Service, Azure Database for MySQL, Azure Storage Account

abolish112.com (04/2021 - Present)

- Create a website calling for releasing Thai pro-democracy activists
- link: [abolish112.com/](http://abolish112.com/)
- **Tech Stack:** Svelte, CSS Grid Layout, Azure Static Web Apps, Azure Cosmos DB

Duayjairak Co., Ltd (01/2019 - Present)

- Create a website for SEEFUN, the dental products that focus on reusability and waste reduction
- link: [duayjairak.com/](http://duayjairak.com/)
- **Tech Stack:** Angular, Firebase

## EDUCATION

### Master's degree, Computer Science

The University of Manchester

09/2010 - 04/2012

Manchester, UK

## LANGUAGES

Thai

Native or Bilingual Proficiency

English

Full Professional Proficiency