Watson Zhao

Senior Full Stack Engineer

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+15614372202

SKILLS

Web:

HTML5, CSS3, SCSS/LESS, JavaScript, TypeScript, React, Next.js, Gatsby.js, Material-UI, TailwindCSS, styled-components, GraphQL/Apollo, Redux, NgRx, RxJS, Jest, Cypress, Storybook

Mobile:

React Native, Expo, iOS development, Android development, App Center, Testflight, CI/CD, Push notification, Swift

EXPERIENCE

Motor Platform Ltd   *Tech Lead (React.js / React Native / Node.js)*

2020.1 - 2023.4

MotorPlatform is an Australian company that provides end-to-end automotive valuation and wholesale auction solutions. Dealerships can do full inspection for their cars and sell them through several ways.

As a Founding engineer, I designed the architecture of products from scratch and played a crucial role in the company's growth from the outset.
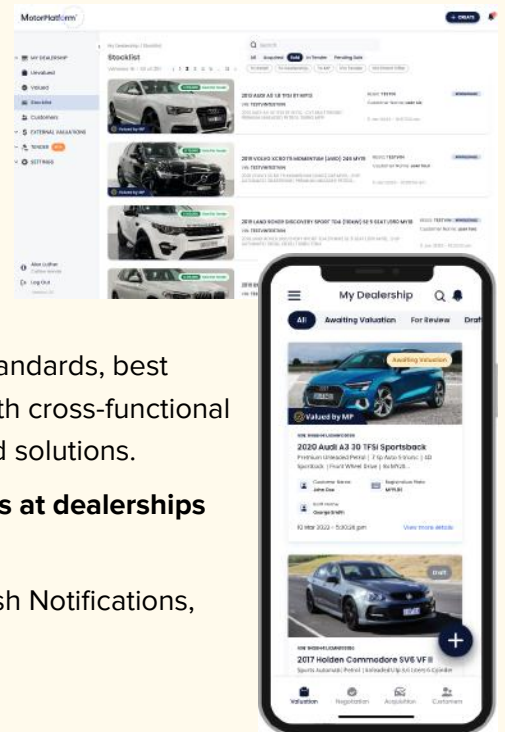
As a Tech Lead at MotorPlatform, I provided coding standards, git standards, best practices, and did code reviews. Due to my role, I worked closely with cross-functional teams to implement high-quality, scalable and user-friendly front-end solutions.

By introducing the products, the number of commercial exchanges at dealerships increased by 1.2 times.

Skills: TypeScript, React, React Native, Expo, TailwindCSS, RNUI, Push Notifications, Node.js, Express, AWS, CI/CD, Docker, Jest, Cypress

https://www.motorplatform.com.au

https://apps.apple.com/us/app/motorplatform/id1574057445

Vivino   *Senior Full Stack Engineer (React Native / AWS / Node.js)*

2019.1 - 2020.1

Vivino is the world's largest wine rating app and marketplace. I worked as senior full-stack engineer and was tasked with leading the development of their mobile application using **React** and **React Native**.
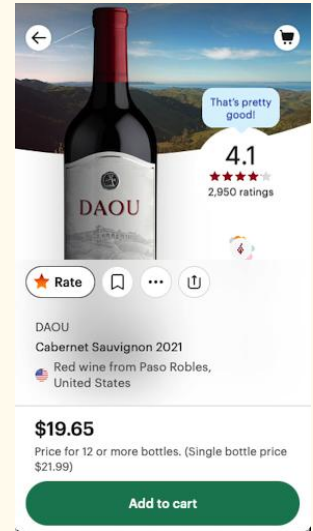
One of the key features that I implemented was Implementing an OCR module to analyze win brands. The OCR feature was a kind of game-changer that propelled Vivino's popularity. **By introducing OCR, Vivino was able to increase its revenue from the product by more than 300% compared to its previous performance.**

Besides that I was responsible for:

- Implementing auto-deployment to both App store and Google play,
- Building APIs and deploying them to AWS on back-end side
- Integrating the third-party APIs to retrieve price history data

Skills: JavaScript, TypeScript, React, React Native, Expo, RNEUI, Push Notifications, AWS EC2, AWS Amplify, Node.js, Docker, CI/CD

https://apps.apple.com/app/id414461255

CSE Insurance Group   *Senior Frontend Engineer (React / Next.js / Encryption)*

2018.6 - 2019.1

CSE is an insurance company that provides multi-line provider of property and casualty insurances. I was hired as a senior security front-end engineer and built a SaaS product which manages the operations for home and motor insurances.
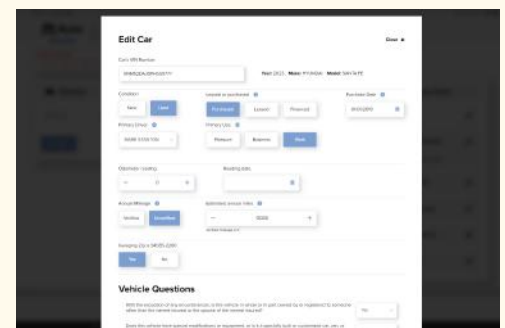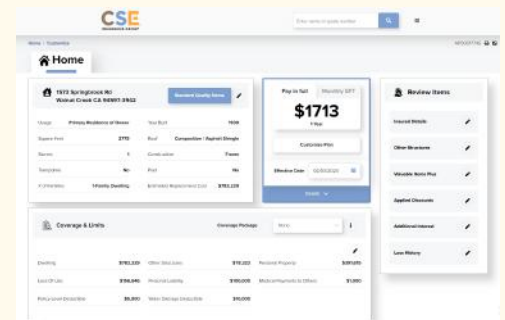
While working for this company, I mainly spent my time to keep the high security on the front-end side.

To solve the security issue on front-end side:

- Revamped the React front-end app using Next.js to introduce the SSR(server-side rendering)
- Encrypted the payload of request and response data with md5 encryption algorithm
- Hide important api call logs from development tool moving all api integration code to server side

Skills: HTML5, SCSS, TypeScript, React.js, Next.js, Redis, AWS, md5, crypto-js, styled-components

https://cseinsurance.com

Blip Technologies   *Full Stack Engineer (Angular / React Native / Node)*
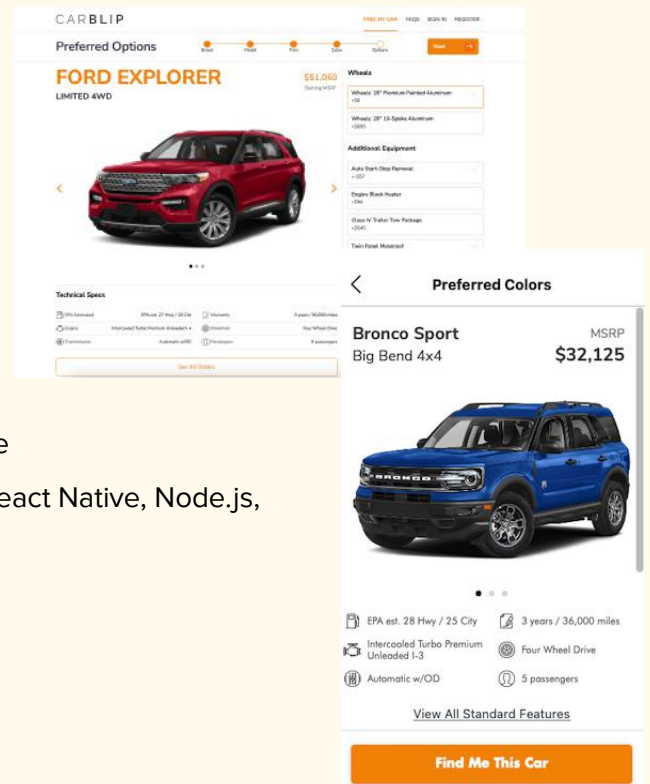
2016.6 - 2018.6

CarBlip is a new car buying and leasing platform that provides customers with a completely personalized car buying experience without ever having to visit a dealership.

- Worked as a Senior Angular Front-end Engineer at Blip Technologies, Inc.
- Responsible for developing and maintaining complex, responsive web applications using Angular 2+.
- Participate to build mobile app using React Native

Skills: HTML5, SCSS, TypeScript, Angular, NgRx, RxJS, React Native, Node.js, iOS, Android

https://shop.carblip.com

https://apps.apple.com/us/app/carblip/id1362042544

Hangar A   *Full Stack Engineer (Angular.js / React / Python / AWS)*
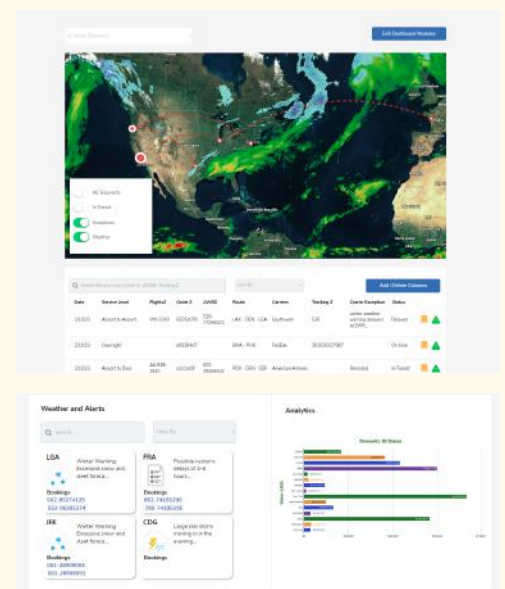
2013.9 - 2016.6

Hangar A, LLC is a leader in e-logistics automation offering one of the industry's most advanced dock-to-door solutions for expedited cargo.

I possess expertise in both front-end and back-end development. Within the realm of BE development, I utilized Python to construct efficient REST APIs. Additionally, I successfully integrated 3rd-party APIs in order to acquire data on various airlines.

On the front-end side of the project, I actively contributed to production-level efforts in order to maintain and troubleshoot any issues that arose. Furthermore, I belonged to the first product release and we used Angular.js and Python mainly. After releasing the first product, I oversaw the migration of an AngularJS project to React, utilizing a micro-frontend architecture in the process.

Skills: PostgreSQL, Micro-Frontend, React, AWS, Angular.js, Django, Python, redis

https://hangara.com

Blizzfull, *Freelancing* - *Senior Front-end Developer*

https://www.blizzfull.com

https://dashboard.blizzfull.com/charlenes (admin / ladybug15)

RobinAutopilot Inc, *Freelancing* - *Senior React/Node Full-Stack engineer*

https://mowbot.com

Benchboss.ai, *Freelancing* - *Senior Angular/Scala Full-Stack engineer*

https://benchboss.ai

Breakthrough Learning LLC, *Freelancing* - *Senior Data Visualization Engineer*

https://cauzality.com

https://app.cauzality.com (developslack@gmail.com / Password!!27)

EDUCATION

The University of Hong Kong, Hong Kong - *Computer Software Engineering*

2007 - 2011

LIVE PRODUCTIONS

Web

https://uat.motorplatform.com.au (intwhole@test.com / Appraisals123)

https://mowbot.com

https://app.cauzality.com (developslack@gmail.com / Password!!27)

https://quickquote.cseinsurance.net/quote (agent007/Oneinc2020)

https://kodex.io

https://benchboss.ai

https://shop.carblip.com

https://dashboard.blizzfull.com/charlenes (admin / ladybug15)

Mobile

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