# MAX BYE

## Senior Frontend Developer

#### SUMMARY

Frontend developer with backend experience and over 14 years of industry expertise. I specialize in web and mobile development, delivering high-quality, user-focused solutions across diverse platforms. I'm passionate about client engagement, product design, and stakeholder collaboration. My enthusiasm for technology drives a continuous pursuit of innovation, leading to meaningful improvements in user experience and project outcomes.

### **EXPERIENCE**

## Senior Frontend Developer

08/2023 - Present

#### Open Energi

- · Worked directly with bp's power trading team to design and develop a grid-scale battery optimization platform in ReactJs.
- · Designed and developed a prototype for bp's Advanced Energy Solutions team and demonstrated it at bp headquarters to key stakeholders.
- Implemented CI/CD pipelines in GitHub and GitLab for front-end deployments, then used Kubernetes to further reduce deployment time and infrastructure costs.
- Upgraded Angular version on insights platform, resulting in a 60% faster load time.
- Azure Data Lake infrastructure that resamples time-based data more efficiently and 10x more cost effective than the existing MySQL solution.

## Wordpress Developer

01/2025 - Present

### **Future Resilience Forum**

• Worked alongside Downing Street Chief of Staff to design and develop futureresilienceforum.com for a London-based security forum.

## Website Creator

06/2024 - 11/2024

#### Frazzled

• Designed and developed frazzledcafe.org in React, a website that helps people find meetups focused on mental wellness.

### Senior Software Engineer

02/2023 - 08/2024

#### Dare

- Led multiple frontend teams on various grid-scale battery web projects, ensuring seamless collaboration and successful delivery.
- Developed an online storage platform in ReactJS that was showcased at the 2024 Renewable
- . Designed in Figma and developed in Excel, a plugin for traders to view battery insights.

#### Course Leader

11/2021 - 02/2023

## General Assembly

- JavaScript, Angular and ReactJS course leader and teacher.
- Software Engineering Immersion course leader and teacher.

## Frontend Engineer

07/2017 - 02/2023

#### **TechSoup**

- Built a vanilla JavaScript data framework that is used across multiple projects.
- Built a component library in ReactJS (and storybook) that was used across multiple projects. Designed TechSoup several products for Microsoft.
- Developed several e-commerce applications in Angular.
- · Developed an organization management system with Redux, later simplifying the architecture by
- · transitioning to Jotai.

## Senior Frontend Engineer

09/2016 - 07/2017

### **Plumis**

• Designed and developed a fire sprinkler mapping system using JavaScript, improving visualization and efficiency in building safety planning.



## **KEY ACHIEVEMENTS**

### Mission-Driven Design

Collaborated with prominent leaders in government and health to translate their strategic visions into impactful digital experiences.

### Optimization Platforms

Technical support for bp's renewable and flexible energy teams. We are currently ranked as the best grid-scale battery optimizer in the UK.

## + Digital Health

Deeply invested in digital health, with a strong track record of founding and contributing to projects focused on delivering accessible mental health solutions to the public.

### **KEY SKILLS**

#### FRONTEND DEVELOPMENT

Typescript · React · Angular · Ember ·

Vue · Sass · HTML5 · React Native ·

Arduino · CI/CD · RESTful APIs · AJAX ·

Tailwind · Jest · Selenium

## BACKEND DEVELOPMENT

Go · Python · Microsoft Fabric ·

Azure Lakehouse · MongoDB · MvSQL ·

Java · C# · Sentry · Insights · Django ·

AWS - S3

## **CMS**

Wordpress · Drupal · Strapi · Jekyll

### Project & Task Management

Jira · Trello · Azure DevOps · YouTrack ·

ClickUp · Confluence

### CI/CD & DevOps Integration

GitHub Actions · GitLab CI · Docker ·

Podman · Kubernetes

#### **DESIGN**

Adobe suite · FIGMA · Sketchup · InVision

### **EXPERIENCE**

### Frontend Engineer

11/2015 - 08/2016

#### **Rebel Minds**

- Created and launched the WordPress website for The Entrepreneurs Network.
- Designed and developed the Go-Ahead website using Angular.
- Created an iOS video game using Parse for cloud-based online sessions.

### Software Engineer / Product Manager

11/2014 - 10/2015

#### Virtually Free

- Designed and developed the Stress Free app using JavaScript and Cordova for both iOS and Android.
- Contributed as a developer to an Oculus Rift project aimed at addressing anxiety, using Unity and C#.

### App Developer

11/2015 - 08/2016

### The School of Life

• Designed and developed an online video game for 100 Questions with Alain de Botton.

## Arduino Developer

11/2014 - 10/2015

#### **Entrepreneurs First**

- Developed a prototype using Arduino R2 to measure people's sweat levels and provide personalized recommendations
- Created a recommendations portal using Bootstrap and AngularJS.

### Website Designer

04/2014 - 11/2014

#### **Kids Company**

· Designed an online giant brain using Adobe Flash and ActionScript, where people could buy virtual "neurons" to raise money for brain cancer research.

### Lead Trainer and Course Developer

12/2013 - 04/2014

#### Freeformers

- Developed a JavaScript coding workshop for clients such as Barclays Bank, Aviva, and Facebook.
- · Created and managed six volunteer hubs, teaching coding to underprivileged children.
- Web developer and designer for the Freeformers and Makethingsdostuff websites.

02/2013 - 10/2013 Co Founder

### **Boxticks**

- Designed and developed a travel and adventure website.
- Helped raise a seed round investment.

### Internship: Website Developer

09/2012 - 12/2012

## M&C Saatchi

- · Developed websites for Coca-Cola, Jameson Whiskey, and created a Twitter app for the 2012 Olympics.
- · Won the M&C Saatchi hackathon.

## Internship: Hardware Specialist

07/2007 - 11/2007

### Goldman Sachs

· Assisted with hardware and technical support.

## **EDUCATION**

Master of Computer Games & Entertainment

09/2011 - 06/2012

University of Goldsmiths London

**BSc Physics** Southampton University 09/2008 - 06/2011

## **CERTIFICATION**

### CompTIA Security+ 701

Computer security, including cybersecurity threats, vulnerabilities, and hybrid and cloud environments.

#### JLPT N5

Japanese-Language Proficiency Test, Level N5 designed to test beginner-level skills.

## **INTERESTS**

Music

I have a few albums out on Spotify.



Making videogames

I made a series of online games that can be played from my website.



I have published a comic book and I love to paint.



I play weekly league games.