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Michael Moawad

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Efficient self-starter with 4 years building an exceptional foundation of knowledge and relationships in the Tech industry. Reduced time-to-value on critical new skill sets by rapidly mastering and adopting new technology stacks, frameworks, and testing tools. 5+ years of experience collaborating with cross-functional colleagues on internal and external teams.

Technical Skills

Programming Languages: JavaScript, PHP, TypeScript, Bash, Python, HTML 5, CSS, Git

Frameworks and Databases: React, Redux, NodeJS, RESTful API, jQuery, SASS, MySQL

Tools and Software: AWS, Docker, Linux VPS, Magento 2, WordPress, SSH SFTP, GraphQL, Lighthouse, BrowserStack

Employment

Software Developer

Evinox - Sustainable Heat Networks

June 2023 – Present

- Employed **Redux** for seamless data flow and synchronisation, handling complex states (transactions, diagnostics, authentication), significantly boosting site performance and user experience.
- Assisted in reducing **AWS** monthly service costs by **80%** through efficient code refactoring and database indexing. Created pipelines to establish **CI/CD** environment while leveraging Lambda and EventBridge for scheduled tasks.
- Developed device performance graphs and data visualisations, enabling quick identification of critical errors in heat flow, thereby increasing operational efficiency and generating **additional revenue** through paid features.
- Implemented robust user authentication, allowing creation of multiple user profiles per account, enhancing user accessibility and security.

Front End Developer

Architectural Association

Nov 2020 – June 2023

- Developed **React** components able to retrieve and render information from live databases dynamically, allowing employees to independently upload content directly to site via **Statamic** CMS hugely reducing publishing time.
- Designed logic to map through, print data sets called from API's replacing 500+ lines of hard code across codebase.
- Process, manipulate and print pulled data using **MySQL**, **PHP** and **Axios** with **NodeJS** to access and handle JSON.
- Optimised code delivery and testing using Test-Driven Development (**TDD**) in conjunction with testing tools such as Inspector and Lighthouse

E-Commerce Developer

Cumi Ltd (Contract)

Jul 2020 – Nov 2020

- Managed **Linux VPS** using **Bash**, adjusting memory allocation and other server components while maintaining the data base ensuring safety of data, processes, and server-side software during deployment of website revisions.
- Developed functional and responsive design blocks integrating **HTML5**, **CSS3** functionality with **Magento 2** CMS.
- Boosted website load speeds through optimising asset delivery using caching, compression and more.

Website Developer

Coptic Lawyers Worldwide (Contract)

Oct 2020 – Nov 2020

- Designed UI and UX of the site and built using **React Styled components** to mitigate repeated code with focus on responsiveness and event handling using CSS grid in conjunction with Flex and media queries.
- Addressed production bugs and improvements requested by team using **Kanban** to prioritize tasks while implementing **CI/CD pipelines** to speedily deploy and iterate through new website versions.

Relevant Experience and Projects

Instagram Uploader *JavaScript, Axios, CRON, Express, Heroku*

Link available upon request

JavaScript app that uses Contentful's API to schedule Instagram uploads via CRON. Error handling with mail parsers.

Bible Reader Web App *React, Axios, CSS Flex, Netlify*

<https://biblereader.netlify.app/>

React app fetching data from external APIs, using state management, React Hooks, and React Router.

Roll the Dice App *JavaScript, HTML, CSS*

<http://roll-the-dice-game.netlify.app/>

Vanilla JavaScript budget management app calculating total income/expenses. Built without libraries, utilizing lexical scoping and closures.

Education

University of Southampton BEng (Hons) in Mechanical Engineering. 2:1

Sep 2015 – Jun 2018

Additional Achievements

Music: Gained over 2 million streams with over 800 thousand monthly listeners and was placed on Spotify editorial playlists for tracks I wrote, recorded, produced, and mixed while building relationships with industry professionals.

Charity: Co-Organiser for Coptic City Mission Fundraisers and Christmas parties, leading worship music and distributing foods and goods. Victoria, London.