**Kerwin Thompson**

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**Summary**

I am a teacher -turned-software engineer seeking career opportunities. Confident in MERN stack and the LAMP stack. I have developed and currently developing numerous web apps using PHP, AJAX, Javascript. ReactJS & NodeJS. Through my past experiences I’ve learned to balance the need of users and businesses to understand their pain points and how I can contribute as a full-stack web developer and help them solve their problems with an application.

**TECHNICAL PROFICIENCIES**

REACT, Node, ExpressJS, REST API, Webpack, JavaScript, JQUERY, GitHub, PHP, MySQL, Apache, Linux, Redis, HTML, BOOTSTRAP, CSS, SCSS, Figma, Canva, Visual Studio Code, WordPress, Microsoft Office, Adobe Photoshop, Azure, Multisim, AutoCAD, Pfsense

**TECHNICAL PROJECTS**

**Around the World App** (2022) Sites: | [React](https://github.com/Kerwindows/around-react) | Javascript | [API](https://github.com/Kerwindows/around-express)

*React| Express | NodeJS | JavaScript | MongoDB*

*React Front-end application using API to fetch data*

* Built maintainable, reusable UI components with React.
* Implemented JS classes to render and create cards
* Used useState and useRef hooks
* Maintained version control using Git/Github *and gh-pages to host build*

**Linkwi App** (2022) | [Site](https://linkwi.co) I [Demo](https://youtu.be/2jUaGwwnA7E)   
 *PHP | JavaScript | jQuery + AJAX (currently being refactored using REACT and NodeJS)*  
+ Full-Stack developer for LinkWi App

* NFC-enabled business card web app.
* Cart checkout feature using the WIPAY International Payment API
* Integrated vCard Library for contact download
* It also to accept online payments
* User Authentication and Authorisation
* Combing collaboration and leadership skills for effective project completion.

**HR Management App** (2021) | [Demo](https://youtu.be/lS7LKin4RPE)

*PHP | JavaScript | jQuery + AJAX*

Full-Stack developer for the creation of a Human Resource Management Web Application for two well established companies in the Caribbean - ANSAMCAL and CiteUp.

* Employer and employee updates, notifications, post notices, images, pdf files, countdown meeting timers, and add, edit, and review statistics using dynamic JS charts.
* Role management
* User Authentication and Authorisation
* Working closely with user/clients throughout the development processes for truly personalized customer service.

**Checkin Taxi App** (2020) | [Site](https://projectone.cyversify.com/)

*PHP | JavaScript | jQuery + AJAX*

LAMP Application of a PWA taxi application. [Images](https://kerwindows.com/#work)

* Implemented QR code technology to scan taxi driver information before entering vehicle
* Give passengers a sense of security by sending automated email alerts to their loved ones about their location and the details of the taxi they are entering.
* Applied AJAX for better user experience and seamless operations

**School Database Management** **App** (2021) | [Demo](https://youtu.be/T33ovXlQPVI)

*PHP | JavaScript | jQuery + AJAX / MySQL*

Full Stack developer of an advanced custom school database Management System that uses Ajax to display students' and teachers' RF id scans upon entry to the school compound, with automatic alerts to a telegram bot for parents. It keeps track of employee attendance, onsite status, and profile information and gives teachers the ability to request time off.

**Ecommerce Clothing Store Website** (2017) | [Site](http://estore.kerwindows.com) I [Demo](https://www.youtube.com/watch?v=Ey_efWUbvwQ&t=863s)

*PHP | JavaScript | MySQL | Bootstrap | PayPal API*

* First project using PHP in a real-world application.
* Integrated PayPal API for online purchases
* Used Sessions to store user authentication
* Used JavaScript for dynamic filtering
* Applied Bootstrap CSS classes Front-end

**PROFESSIONAL EXPERIENCE**

Cyversify Ltd- Co-Founder

**Lead Software Engineer** (2020 – Current)   
Built various web-based applications to synthesizing and disseminate complex information for streamlined cooperative strategizing and digital implementation for small and large businesses.

* Resolute problems within source code and determine potential user experience drawbacks.
* Contribute ideas for improving the company's reputation through code integrity and standardization.

Caribbean Union College, Maracas, Trinidad and Tobago

**Systems Administrator [Remote]** (2019 – 2021)

Manage and monitor school’s eLearning platform remotely by maintaining accurate and up-to-date student records and courses.

* Enhance student and parent productivity by managing all tech related issues, even after hours
* Maximize on staff time management by developing short tutorials about new features and functionalities
* Ensure quality assurance in technology education is of the highest standard

Caribbean Union College, Maracas, Trinidad, and Tobago

**IT Administrator [Onsite]** (2016 – 2019) | [Site](https://cuc.edu.tt)

Bridged the gap between education and IT support. Oversee the school’s web-based infrastructure and develop programs that benefit students, faculty, and staff. Active change agent directing the college toward web-based solutions and e-learning strategies.

* Designed and build school’s website  
  Spearheaded directive for new IT infrastructure that increased productivity by 50%.
* Added financial recordkeeping functionality to database, minimizing workload for the Accounts Department by 70%.
* Pushed for and built online registration website, improving administrative productivity by estimated 80%. Saved school 20% in paper expenses and minimized registration time by 60%.
* Redesigned an offline database accessible only to administrative staff using PHP and MySQL. Bringing it online increased teacher productivity by 60% by allowing quicker access to student information.

South Caribbean Conference of SDA, Dean Street, St. Augustine, Trinidad, and Tobago

**High School Teacher** (2010 – 2019)

* Developed processes and organized events for students while teaching CSEC Mathematics. Ensured students understood basic programming knowledge and computer literacy.
* Maintained high student pass rate across all courses.
* Communicated across age ranges and levels of computer familiarity: from Office functionality for non-traditional students to HTML and CSS for high school pupils.
* Showed students how to build basic circuits from diagrams of their own design.

**EDUCATION AND TRAINING**

Practicum Yandex 10-month Bootcamp, **Software Engineering Certification**

University of Hertfordshire, Hatfield, Hertfordshire, Great Britain

**Bachelor of Science in Computer Science**, First Class Honours

University of Trinidad and Tobago, Point Lisas, Trinidad, Trinidad and Tobago

**Advanced Diploma in Electronics Engineering Technology**