Kiera Howe

Software developer specializing in Wordpress and Web Applications

Phone: 416-849-8292
Email: kiera@wileysol.com
www.kierahowe.com

EXPERIENCE

Wiley Solutions, Toronto, ON — *Owner*   September 2012 - Present

Wiley Solutions provides custom application development and API integrations for medium and large businesses. The following are the projects built solely by Kiera.

Assemble, managed and maintained 8+ web properties for a major publicly traded company

- Worked together with Designers and Stakeholders to build 2 WordPress themes from the ground up and deploy them on 4 sites.
- Developed plugin for all WordPress sites to:
    - React based front-end tables with customizations to output differently depending on purpose. Back-end data synchronization from Google sheet, improving the efficiency and reducing the error rate when making updates.
    - Content Security Policy for all sites to improve the security of all sites.
- Container base data synchronization software to bring data from one line-of-business software to another via API. Reduced the daily time it takes to transfer customer information from one software to another.
- Thousands of updates, changes, fixes to all the sites quickly turning stakeholder requests into deployments
- Implemented monitoring and maintenance to all sites using MainWP. Lowered update deployment time and improved consistency of updates.

Created DragonTeach Software

Created from the ground up, DragonTeach helps instructors teach WordPress to their students. Improves instructor efficiency with automated signup, and a programmable testing solution which checks the student websites, on mass, and assigns a mark.

- Built on WordPress. Students sign up via their class/instructor's website which is WordPress and receive a WordPress site. Reduced the amount of time spent administering student access and installation.
- Student, class, assignment and testing management system implemented on the WP Admin, which reduces the time marking student work by up to 90%.

Created Hosting Application

Hosting system created to power DragonTeach but set up to be API driven and software agnostic allowing a "Whitelabel" setup for any application requiring webspace provisioning and automation.

- Built in NodeJS, GraphQL, React primarily.
- Many React components are designed to work in both the hosting interface and within WordPress to save time
- Functions include invoicing, site deployments, client users, client API keys, email template, etc.

Small Websites and Web Applications

- Build WordPress Themes from ground-up for several clients
- Various Custom WP Plugins
- Maintain PHP Applications from other developers

SKILLS

Platforms:

Full Stack Web, WordPress, React, Angular, JQuery, Node.js, Electron.io

Languages:

HTML, CSS, JavaScript, ES6, NodeJS, PHP, C/C++, Perl, Python, Java, Visual basic, Bash

Databases:

MySQL, PostgreSQL, SQLite, MSSQL

Web servers:

Linux Apache or Nginx, Window Server IIS or Apache

Web Services:

Amazon AWS technologies such as EC2, S3 Route53 and Lambda.

APIs:

Google, AWS, , SalesForce, Slack, Five9, Connectwise, SNMP

Server Admin:

Linux (Debian, Ubuntu, Redhat), Windows Server (including Small Business and Exchange), Windows desktops

Business:

Client and staff training and mentoring. Quoting and project design. Business process development.

EXPERIENCE (Continued)

Developed a line-of-business application for a major lighting business

Reduced manual staff interventions by 50% and improved sales by adding automation via integrations with Amazon APIs, scraping distributors web interfaces, and deploying pricing and products directly to the business web site

- Implemented from the ground up in NodeJS (Express), GraphQL and React and many other libraries a full suite of functionality:
  Customers, Sites, and Contacts, linked together in many-to-many connections
- Product synchronization (Pricing, images, and details) with remote vendors APIs and direct HTML scraping
- Business processes from ordering to invoicing to delivery including integrations with Amazon Marketplace.

10up, Remote — *Software Engineer*   January 2017 - June 2017

10up is an industry leader in creating finely crafted websites and tools using WordPress

- Developed well-articulated written, maintainable code for WordPress projects for enterprise sites. This included integrations with APIs, front-end builds from designs, and back-end functionality.
- Construct plans and time estimates for client projects
- Participate in code reviews to improve the quality of code

Sheridan College, Oakville ON — *Part Time Instructor*   January 2015 - August 2016

- Sheridan College is a leading post-secondary institution with 23,000 full time students and three campuses
  Instructed 800+ students in HTML, CSS, WordPress and other web related topics.
- Devised an automated testing system to reduce the instructors' marking time from 10 hours per week to 30 minutes as well as adding an automated feedback system for students. This resulted in improved student learning outcomes.

COMMUNITY

WPCampus: Director and Treasurer   January 2023 - February 2024
On the board of directors for WP Campus, a community lead conference for WordPress in education.

Organizer and A/V Lead — WordCamp Toronto 2017, Toronto ON
Create open source software to convert raw video to edited video for upload. Reduce time spent from 40hrs to 2-3hrs on WordCamp video deployments to WPTV

WordCamp Milwaukee 2016, Speaker: Introduction to WP-CLI, Milwaukee, Wisconsin, US

WordCampus Sarasota 2015, Speaker: Case Study: Using WordPress in our Classes, Sarasota, FL, US

WordCamp Milwaukee 2015, Speaker: Top 10 WordPress Hacks, Milwaukee, Wisconsin, US

WordCamp Toronto 2015, Speaker: Introduction to WP-CLI, Toronto, Ontario, Canada

EDUCATION

Seneca College of Applied Arts and Technology,
Toronto, ON

Computer Engineering Technology

September 1996 - December 1999