

Brian Henry

Polite, punctual, proficient, programmer

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Experience

Senior Software Engineer / Tech Lead *PHP – WordPress/WooCommerce, Laravel*

Newfold Digital, 2023 – 2026

Responsible for a Laravel Vapor AWS Lambda/Aurora application serving millions of customer websites, handling license provisioning, feature flag management, and analytics ingestion.

Improved its maintainability by upgrading from Laravel 10 on PHP 8.0 to Laravel 12 on PHP 8.4, applying static analysis, and increasing the test coverage from c.15% to c.60%, in the c.90k loc codebase.

Implemented continuous integration improvements around test coverage reporting, AI code review, and Semver/changelog management.

Senior Software Engineer *PHP – WordPress/WooCommerce, Laravel*

Curiosity Stream, 2023

Technical lead for the One Day University website managing the smooth operation of 20,000 e-learning subscriptions.

Software Engineer *Swift – iOS/tvOS; PHP – WordPress/WooCommerce*

Enhanced Athlete, 2017 – 2022

Managed e-commerce store with sales of \$1-2 million/month.

Wrote over 50 WordPress plugins, a consumer iOS app and tvOS app, and an internal iOS app for order fulfillment auditing.

Education

MSc Computer Science

University College Dublin, 2015

MSc Technology and Learning

Trinity College, Dublin, 2009

BEng Electronic Systems

Dublin City University, 2006

Achievements

17th Annual Educational Technology Conference of the Irish Learning Technology Association

2016

Presented findings based on legal education MOOCs worked on over the previous three years.

Hackathons

2015 – 2016

Prize-winner at ten Irish hackathons with my original ideas.

Activities

Open Source

WordPress core contributor. *PHP, JS*

WP CLI team member. *PHP*

Contributor to dependencies management tool, *Composer*.

Maintainer of PHP namespace tool, *Strauss*.

Contributor to test frameworks *wp-browser* and *WP_Mock*.

Maintainer of *Home Assistant* SMUD power company integration. *Python*

Contributor to and competitor in *Donkey Car* autonomous radio-controlled car races. *Python*

StopPro: iOS app using Bluetooth to control GoPro cameras using Siri shortcuts. *Swift, MVVM, CoreBluetooth, Siri Intents*.

Bikeshare Siri Shortcuts: Siri shortcuts for finding the nearest available bike share bicycle. *Python, AWS Lambda, Siri*.

XMPP Framework Logger: iOS jailbreak tweak to log XMPP communication for reverse engineering. *Theos, Objective-C*.

Completed Further Study

Practical Deep Learning for Coders MOOC by Fast.ai. *Deep Learning Certificate Part II* by Fast.ai at the University of San Francisco.

Divide and Conquer, Sorting and Searching, and Randomized Algorithms and *Graph Search, Shortest Paths, and Data Structures* by Stanford University on Coursera.

Object-Oriented Data Structures in C++ on Coursera.

Understanding the Law in a Digital Age technology law MOOC and *Privacy, A Human Right for the Digital Age* data protection law MOOC by Law Society of Ireland.

Introduction to Key Constitutional Concepts and Supreme Court Cases on Coursera.

Sacramento Gaelic Athletic Association

Assistant Secretary on the Irish sports club board.

Better Ballot Sacramento

Volunteer on campaign to introduce rank choice voting.