Brian Henry

Polite, punctual, proficient, programmer

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Experience

Newfold Digital / Bluehost   **12/23 – 1/26**

Senior Software Engineer / Tech Lead

PHP – Laravel, AWS, WordPress/WooCommerce

Responsible for a Laravel Vapor (AWS Lambda) 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, increasing the test coverage from c.15% to c.60%, and upgrading AWS Aurora.

Curiosity Stream – Senior Software Engineer   **2023**

PHP – WordPress/WooCommerce, Laravel

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

Enhanced Athlete – Software Engineer   **2017 – 2022**

Swift – iOS/tvOS; PHP – WordPress/WooCommerce

Managed e-commerce store with sales of over $1 million/month. Wrote over 50 WordPress plugins, an iOS app and tvOS app.

Plate IQ – iOS Developer   **9/16 – 3/17**

Objective C, Swift, AV Foundation

Wrote features to automatically capture invoices in photos for later OCR processing and to enable in-app stock taking.

Techneolas – IT Administrator   **2005 – 2016**

Active Directory, PowerShell, PHP, Google Apps Script

Managed the complete IT systems in three Dublin schools.

AIB – Software Engineering Intern   **2005, 2006**

ASP, MS SQL, JavaScript, ITIL

Built a documentation database as part implementing the IT Infrastructure Library best practices framework.

Education

MSc Computer Science   **2015**
University College Dublin

Project: visualization of blood test QC results for St. Vincent's University Hospital. *Java, DropWizard, MongoDB, HighCharts*

MSc Technology and Learning   **2009**
Trinity College, Dublin

Dissertation: *Overcoming misconceptions in constructivist learning*, implemented as a chat-bot. *PHP, MySQL, jQuery*

BEng Electronic Systems   **2006**
Dublin City University

Project: J2ME app, *Using JABWT to take advantage of free SMS messaging*. *Java, Bluetooth, J2ME, HTTP*

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.

Oxygen SMedias Best Student Website   **2007**

Built and managed the website for Trinity College, Dublin's newspaper, Trinity News, which won the award for Best Student Website in Ireland. *PHP, MySQL.*

Mensa tested IQ of 150   **2000**

Scored in the top 2% of the population on a Mensa IQ test taken while competing at the Young Scientist & Technology Exhibition.

Activities

Open Source Projects

WordPress: Core contributor to WordPress; member of the WP CLI team; maintainer of PHP namespace tool, Strauss. *PHP, JS.*

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.*

FOMO: Events and news aggregator for Irish universities. *Swift, Objective-C, GWT, GAE-Java, Facebook API.*

Sacramento Gaelic Athletic Association

Assistant Secretary on the Irish sports club board.

Hacker Lab

Member of the former local makerspace and have taken classes in metalwork, welding, 3D printing, laser-cutting and more.

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.