Brian Henry

Polite, punctual, proficient, programmer

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Experience

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 subscriptions.

Contributor to the Curiosity Stream backend API.

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 plugins to improve customer experience, integrate with back-of-house APIs, and automate employee workflows.

Wrote iOS and tvOS apps for customer order push notifications, order fulfillment, and big-screen video player.

Plate IQ – iOS Developer   9/16 – 3/17
Objective C, Swift, AV Foundation

Wrote iOS app features to automatically find and 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

Designed and built a database to record the relationships between services in Allied Irish Banks Global Treasury as part of the company's implementation of the IT Infrastructure Library best practices framework.

Education

MSc Computer Science   2015
University College Dublin

Research project: Vein to Brain, a collaboration with St. Vincent's University Hospital for visualization and quality control of blood test results. *Java, DropWizard, GWT, MongoDB, HighCharts*

MSc Technology and Learning   2009
Trinity College, Dublin

Dissertation: *Overcoming misconceptions in constructivist learning*, a chat-bot built to address scientific misconceptions held by second-level students. *PHP, MySQL, jQuery*

BEng Electronic Systems   2006
Dublin City University

Final-year project: *Using JABWT to take advantage of free SMS messaging,* a J2ME-Bluetooth app and Java desktop service to send SMS messages using operators' free web-texts.

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

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.*

WordPress: Core contributor to WordPress and have personally published over 50 WordPress and WooCommerce plugins and related tools on GitHub, and contributed to many more. *PHP, JS.*

Volunteer Work

Environmental Council of Sacramento.

Sacramento Area Bicycle Advocates.

Irish Immigration Pastoral Center.

Hacker Lab

Member of the 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.

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.