

Oliver Earl

 [oliverearl](#) |  [oliverearl](#) |  [oliverearl.co.uk](#) |  oliver@oliverearl.co.uk

SUMMARY

Courteous and self-motivated software engineer and former computer science teacher, with multiple years specialising in the PHP and JavaScript full-stack ecosystems and is passionate for writing test-driven, enterprise-ready code and documentation to produce innovative and performative software running on the web and beyond.

WORK EXPERIENCE

Software Developer, Stickee Technology Jan 2021 - Present

- Responsible for high quality, test-backed full-stack code; providing both support and new functionality both independently and collaboratively across the Digital Delivery team.
- Lead developer on the full-stack integration of an alternative payment provider and monthly payment plan support for mobile phones and accessories for a major UK phone network.
- Primary contributor for various internal PHP and Laravel packages, most notably a fork of the popular Spatie Activity Log package to support older versions of the framework, provide automated alerts, and database ID correlation, all with full documentation and continuous integration.
- Routinely develop and/or utilise APIs, automatic asynchronous file-based importing and processing, component-based front-end design, and comprehensive, data-set driven testing suites.

Volunteer Software Developer, Nightline Association Mar 2022 - Present

- Core developer on Portal, our bespoke software leveraging Laravel and Inertia.js to provide modular services including call logging, real-time anonymous instant messaging, and data analysis to the charity and to student-run Nightlines operating across the UK.
- Responsible for ensuring continued quality code and documentation, and aiding with the mentoring and on-boarding of junior developers, including code reviewing and organising pair programming sessions.
- Assists with the support and maintenance of internal WordPress plugins, our anonymous email suite written in Java, and sparingly used legacy projects using CodeIgniter 3.

Teacher of Computer Science and IT, Arden Academy Jan 2020 - Dec 2021

Taught GCSE and A-Level Computer Science at one of the top state schools in the UK.

Demonstrator, Aberystwyth University Sep 2015 - Sep 2019

Part-time teaching assistant on modules including topics such as Arduino C++, Linux, and JavaScript.

Front-End Developer Intern, Amadeus Germany GmbH Jun 2016 - Dec 2016

Prototyped front-ends using then cutting-edge TypeScript and Angular. Working language of German.

TECHNICAL SKILLS

Software Engineering	RESTful APIs, GraphQL, Design Patterns, Data Structures and Algorithms, Agile Methodologies, SDLC, Jira, Confluence, Wrike, Trello, G-Suite
Full-Stack Development	PHP, HTML/CSS, JavaScript, TypeScript, jQuery, Sass, Bootstrap, Tailwind, Vue.js 2.x/3.x, Vuex, Pinia, Nuxt.js, Inertia.js, WordPress, CodeIgniter 3
Laravel Ecosystem	Laravel 5.6 - 9.x, Lumen, Nova, Cashier, Echo, Composer Package Development
Game Development	Phaser.js, Godot, Photoshop, Krita, Aesprite
Testing and Tools	PHPUnit, Pest, Dusk, Jest, PHP CS Fixer / Pint, ESLint, Pusher, Websockets, MySQL, Redis, Docker, Git, GitHub Actions, Linux, Java, Bash, Virtualisation

EDUCATION

- 2019 - 2020 **PGCE Post-Compulsory Education**, Birmingham City University (Qualified)
- 2018 - 2019 **MSc Software Engineering**, Aberystwyth University (Merit)
- 2014 - 2018 **BSc(Hons) Computer Science w/ German**, Aberystwyth University (1st Class)

PROJECTS

ExtraContinue github.com/extracontinue

Following a bout of severe illness, ExtraContinue came about as an idea for a dead man's switch that can perform actions such as sending emails, instant messages, and tweets, after a long period of unexpected inactivity. Still under active development.

Fluent interface for working with SplFixedArrays github.com/petrobolos/fixed-array-functions

An open source library that provides a fluent interface and helper functions for working with fixed-size arrays, written for PHP 8.1.

Hashnode API Wrapper github.com/oliverearl/php-hashnode

A wrapper for conveniently interfacing Hashnode's GraphQL API, compatible with PHP 7.4 and above.

PUBLICATIONS

Personal Blog oliverearl.co.uk/posts

Periodically updated with posts on software engineering, professional development, and pedagogy.

OTHER EXPERIENCE

Regional Coordinator, Nightline Association Jun 2021 - Present

The elected representative responsible for overseeing Nightline branches within Wales, ensuring that they operate within the guidelines set by the central organisation and are adequately supported with their day-to-day operations.

Listening Volunteer, Aberystwyth Nightline Feb 2015 - Sep 2019

Volunteer with more than 600 hours of helpline support, 550 in peer-to-peer support, and 230 in Active Listening training. Certified in both mental health first aid and applied suicide intervention.

REFERENCES

Available on request.