

Zan Baldwin

A decade of professional experience architecting, building and deploying data-centric RESTful APIs and web applications that scale with high performance.

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ACCOMPLISHMENTS

- Symfony 5 [certified developer](#)
- Technical and keynote speaker for multiple [Symfony conferences](#)
- Member and meeting facilitator of the Symfony [CARE team](#) and Symfony Diversity Initiative [guidance team](#)
- Technical speaker (2019), CfP Selection Committee member (2019 & 2022), and panellist speaker (2021) for [Dutch PHP Conference](#).
- Code of Conduct [Incident Response training](#)
- [Certified ScrumMaster](#), and formal training with GDPR and ISO 27001
- Committee member for Brighton Pride, and previously other international festivals

EXPERIENCE

Packagist, Senior Software Engineer

2022-PRESENT · (REMOTE) NETHERLANDS / BERLIN
PHP/Symfony · Platform Engineering · Code Hosting & Distribution

Maintaining the package repository for the PHP language, building high-quality software supply chain tools that PHP developers around the world rely on. Day-to-day I analyse complex systems, debug customer problems, and maintain, build features and improve functionality of the main product. I work with relational databases, Linux fundamentals, system administration, queueing systems, and the Symfony framework. I also help with infrastructure projects (such as the containerization and orchestration of application deployments), mentoring junior engineers, and sales questions.

SmarterQueue, Symfony Developer

2020-2022 · (REMOTE) CANADA → NETHERLANDS
PHP/Symfony · GraphQL · Social Media · Third-party APIs · Docker

Principal backend developer for overhauling a legacy product into a modern, GraphQL-backed application.

- Identified the architectural solutions required for the challenges that arise from rebuilding a legacy application to a modern development stack from scratch.
- Improved both speed and memory performance of the legacy product up to 50 times via application profiling.
- Maintained a 100% test coverage rate for an entire GraphQL API for both functional and unit tests.

OVERVIEW

- Modern PHP (7/8)
 - Software Architecture
 - Design Patterns
 - Relational Databases
 - Containerization/Docker
 - NoSQL/Graph Data Stores
 - Documentation Writing
 - API Design & OpenAPI
 - Linux System Admin
 - Cloud Providers
 - Unit & Behavioural Testing, Debugging
 - Automation
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- Two years of non-commercial Rustlang experience at intermediate level.

SKILLS

Symfony Framework · Composer
MVC · DDD · OOP · SOLID · REST
Doctrine ORM · MySQL · Postgres
Elastic · Redis · Git · AMQP
OpenAPI · OAuth · JWT · Paseto
SystemD · Docker · Shell Scripting
Debian/Ubuntu · Fedora · Alpine
SSL · Let's Encrypt · AWS · G Cloud
PHPUnit · CI/CD · Behat · Blackfire
JIRA · Agile · AWS Infnidash · LaTeX
Rust · Cargo · Async Tokio
Immutable Filesystems

LANGUAGES

English (native), currently learning Dutch (beginner).

Intergalactic Agency, Software Developer

2019–2020 · VANCOUVER, CANADA
PHP/Symfony · OpenAPI · DevOps & Docker · Deployment Strategies

Lead PHP developer for in-house and client projects, both new and legacy, including: BC Liquor, Mental Health Commission Canada, Palo Alto, Eventbase, Sundance Film Festival.

- Increased resilience of the company assets spread across multiple continents, upgraded internal source control, and added automated upgrades and backups.
- Decreased company expenses and increased developer productivity by obsoleting old manual processes, replacing with automated CI/CD and containerized deployment.
- Achieved 100% reliability for high-traffic projects for physical events/conferences using fewer servers, improving Intergalactic's reputation and earning repeat business from clients.

CarePlanner Ltd, Senior Software Developer

2018–2019 · BRISTOL, ENGLAND
PHP/Symfony · RESTful APIs · SaaS · Data Protection · GDPR

A leading role spearheading a project to build a RESTful API platform from the ground up for a rapidly-growing SaaS provider in the Home Care sector.

- Reduced organisation's risk while storing/handling health and medical data of vulnerable individuals by ensuring strict compliance of ISO 27001 & GDPR within the developer teams.
- Consolidated market share for the organisation for building APIs that brought two external companies and a local government authority to collaborate with CarePlanner rather than compete.
- Coached a Drupal 7 development team of 3 on Symfony framework from scratch.
- Minor exposure to Golang.

BaseKit Platform, Software Engineer

2015–2018 · BRISTOL, ENGLAND
PHP/Symfony · B2B · DevOps & Docker · Sysadmin · WHMCS · Behat

Worked on the backend of a global B2B site-building SaaS platform and its supporting projects.

- Kept a multi-million line codebase up to date, or rewrote several legacy parts, to transition the application from PHP 5.x to 7.
- Ensured that builds could be reliably deployed with confidence by adding significant behavioural test case coverage on top of the existing unit tests within the CI pipeline.
- Streamlined the company's onboarding process for new developers by documenting features, technical specifications and infrastructure requirements.

Nosco Systems, Lead Technical Developer

2012–2015 · PONTYPRIDD, WALES
PHP · Yii · Raspberry Pi · Fintech · Legal & Regulation · Sysadmin · Mentorship

Developer for a cloud-based digital debt and loan management application, and supporting software/hardware.

- Kept the software ahead of constantly changing legal and regulatory changes within the industry.
- Handled deployments of software for both cloud-based servers and in-store shop kiosks, with bottom-line accountability for the company's infrastructure.
- Led and mentored teams of developers both in-house and remote (Bulgaria), including travelling to provide training.
- Performed software demonstrations at conferences for financial sector audiences.

Nerv Interactive, Web Developer

2010–2011 · CHELTENHAM, ENGLAND
Delivered white-label products for clients such as BAE Systems, NHS, Skype, Gossip Consultancy, and Molson Coors.

Tigerfish Interactive, Drupal Developer

2010 · CHELTENHAM, ENGLAND
Developed modular-base automated online social-media marketing platform.

