

# Swen van Zanten

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## Professional Summary

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I'm a 35-year-old developer from The Netherlands. I've been working on various software projects starting from the early 2000's, and since, I've learned many different aspects and techniques of the profession.

Nowadays, I know and have learned many different languages and frameworks like; PHP (Symfony, Laravel), Javascript (Vue, React), Swift (UIKit, SwiftUI) and Go. With all this experience a new language or framework doesn't scare me anymore.

I'm looking for work in the correct timezone as I'll be working from Colombia from for the foreseeing future.

## Work Experience

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### Backend Developer | Jupiter Platform | January 2023 - Present

**Client:** DPG Media

I played a pivotal role at DPG Media, contributing to the development of a robust platform that efficiently delivered article content from a sophisticated Content Management System (CMS) to the frontends of diverse tenants. My responsibilities encompassed overseeing the backend infrastructure, consisting of a suite of microservices developed using the Symfony framework. Each microservice was meticulously configured with its unique set of dependencies, including databases (MySQL and MongoDB), caching, and queuing systems (Redis, Amazon SNS, Amazon SQS). The integration of Elasticsearch further ensured fast and reliable storage and retrieval of article data.

Key Achievements and Responsibilities:

- Orchestrated seamless communication between projects by implementing Symfony Messenger component, utilizing SNS and SQS systems.
- Developed and maintained REST APIs, consistently supported by OpenAPI files, to facilitate communication between frontends and microservices.
- Managed version control using Bitbucket, including updating and synchronizing pipeline files across all projects for streamlined testing and deployment.
- Introduced comprehensive testing strategies, including shell and Dockerfile tests, and formatting checks to enhance project robustness.
- Implemented strategic scheduling for updates, ensuring timely enhancements to dependency versions (Composer, Symfony), and PHP versions across all projects.
- Spearheaded the adoption of Command Query Responsibility Segregation (CQRS) using Symfony Messenger, promoting adherence to SOLID principles and fostering structured development practices.
- Initiated and executed a comprehensive plan to increase test coverage, elevating it to an acceptable 90% for each project within a year, resulting in enhanced project reliability and maintainability.
- Facilitated local development using Docker images and Docker Compose, enabling seamless testing between different services.
- Played a pivotal role in the deployment of environments (test, staging, and production) utilizing Kubernetes clusters on Amazon Web Services (AWS), configured through the Terraform framework.
- Contributed significantly to the overall improvement of project reliability and maintenance through meticulous attention to code quality and testing practices.

Technologies:

PHP, Symfony, Laravel, Doctrine ORM, Docker, MySQL, MongoDB, Redis, SNS, SQS, Bitbucket, AWS, Kubernetes

### Backend Developer | MijnOverheid.nl | May 2019 - January 2023

**Client:** Logius

At Logius, I was deeply involved in the continuous development of MijnOverheid.nl. I spearheaded the upgrade of the Symfony framework from version 2.8 to 3.4, and after a few months, further advanced it to version 4.4. Throughout this process, various outdated components were replaced with new existing external and/or custom-built elements. Additionally, I focused on upgrading the PHP compatibility of the MijnOverheid application, transitioning it from PHP 7.2 to 7.3 and subsequently to 8.0. This involved either replacing or rewriting several components, ensuring seamless application operation on both versions.

Furthermore, I contributed to the development of various new features for MijnOverheid, including the introduction of the "Berichten Over Uw Buurt" feature and the transition from SOAP integration of "LVWOZ" and "BAG" to a RESTful API (Json).

In the realm of test automation, I played a key role in structuring existing Behat test features. Following Behat's best practices, I restructured existing tests and delivered guidelines for other developers to follow. Additionally, I collaborated to enhance the coverage of Behat feature tests for the MijnOverheid application.

My responsibilities extended to bug resolution, adapting changes related to the MijnOverheid application, managing the development environment around the application (Docker and container images), and maintaining the infrastructure of the MijnOverheid application.

I expanded the CI/CD pipeline for MijnOverheid, leveraging Gitlab CI capabilities. During the transition from PHP 7.3 to PHP 8.0, I utilized a parallel matrix to conduct unit and lint tests across multiple PHP versions. I ensured that a Git-tagged release pipeline allowed for direct releases to a test environment. Additionally, during the shift from Intel to Apple Silicon Macs, I ensured that various container images were built directly from the pipeline, supporting multiple architectures and made available as a unified image.

#### Technologies:

Technologies: PHP, Symfony, Twig, Doctrine ORM, Docker, MySQL, MariaDB, Behat, GitLab, Nginx

## Full Stack Developer | Verge Currency | June 2018 - June 2020

### Client: Verge Currency (Cryptocurrency Open Source Project)

Verge Currency is an open-source cryptocurrency project that focuses on privacy and widespread adoption. Privacy is assured through mechanisms such as the Tor network.

This project deeply resonated with me as I believe ownership of money should remain with the owner, and privacy should be safeguarded without the interference of third parties. In this role, I undertook the following tasks:

- Established and executed the MyVergies project, a desktop application crafted with Electron, Vue.js, TypeScript, and Bulma.io. The website, developed with NuxtJS, is included in the application repository. Various components of the application are reused. GitHub Actions facilitated project management. [MyVergies](#)
- Set up and executed the iOS wallet project, released in April 2019 and available on the Apple App Store. [iOS Wallet](#)
- Collaborated on creating a new codebase in C++, involving bug finding and resolution.
- Conducted maintenance on the project website built with HTML/CSS/JavaScript.
- Contributed to the Electron wallet project, which was discontinued and never released. [vWallet](#)
- Converted the wallet backend from Bitcore for Bitcoin to Verge Currency. [Bitcore Wallet](#)
- Ported the Bitcore Wallet Client from JavaScript to Swift 4.2/5.

#### Technologies

Swift, Xcode, iOS, C++, Ubuntu, Node.js, React.js, JavaScript, TypeScript, Electron, Bulma.io, NuxtJS, Vue.js, MongoDB, Github, TravisCI, JSON, API, P2P, Open source, Docker, PHP

## Full Stack Developer | Troublefree Smart Bulb | October 2015 - May 2019

### Client: Troublefree B.V.

At Troublefree B.V., I spearheaded projects involving two software packages, one of which is Smart Bulb, designed to streamline administrative processes for businesses operating in the flower bulb industry, serving farmers, buyers, and intermediaries.

Key Achievements and Responsibilities:

- **Team Leadership:** Successfully led a development team, fostering collaboration and ensuring the smooth execution of project objectives.
- **Feature Implementation:** Implemented key features in alignment with discussions and requirements outlined by product owners, contributing to the continuous enhancement of Smart Bulb's capabilities.
- **Maintenance:** Conducted routine maintenance tasks, including bug fixes and updates to frameworks, PHP, JavaScript, and other essential components, ensuring the software's ongoing stability and functionality.

#### Technologies

PHP, Laravel, Symfony components, Doctrine ORM, Eloquent ORM, Twig, Blade, Vue.js, Node.js, Yarn, npm, REST, SOAP, JSON, XML, MySQL, SQLite, Composer, Ulkit, TypeScript

## Full Stack Developer | Troublefree Edibulb SOAP Connector | October 2015 - May 2019

### Client: Troublefree B.V.

Edibulb introduces standardization to the flower bulb industry by automating procurement and sales through an EDI system.

In this project, I developed a system to facilitate the sending and receiving of messages using SOAP. The integration spanned Troublefree Smart Bulb and third-party systems. A routine check, conducted every hour, ensured the processing of outstanding messages, subsequently forwarding them to the appropriate administrative channels. To provide comprehensive insights into running services and retrieved messages, I constructed a portal.

#### Technologies

Laravel, Symfony components, Doctrine ORM, Twig, Vue.js, Node.js, Yarn, npm, REST, SOAP, JSON, XML, MySQL, Composer, Ulkit

## Full Stack Developer | Troublefree Login Portal | October 2015 - May 2019

### Client: Troublefree B.V.

I established a centralized login portal for the diverse software packages offered by Troublefree B.V. This system streamlined user access by consolidating multiple accounts into a single unified login. It incorporated role-based access controls, providing users with specific permissions tailored to their roles. Furthermore, the system implemented two-factor authentication options, allowing users to enhance security through email or SMS verification.

#### Technologies

Laravel, Eloquent ORM, Blade, Vue.js, Node.js, Yarn, npm, REST, SOAP, JSON, XML, MySQL, Composer, Ulkit, TypeScript

## Full Stack Developer | Troublefree Internal Knowledge Base | October 2015 - May 2019

### Client: Troublefree B.V.

I conceptualized and developed an internal knowledge base tailored to support the staff at Troublefree B.V. in addressing common queries. This system serves as a repository for internally generated articles, categorized for easy reference. It includes features such as version history, enabling users to track changes made to a selected article and compare it with previous versions. The system encompasses user management, role assignments, category organization, article creation, and search functionalities.

#### Technologies

Laravel, Eloquent ORM, Blade, Vue.js, Node.js, npm, JSON, XML, MySQL, Composer, Ulkit

## PHP Backend Developer – iOS Developer | Intern Ticket Tracking System | April 2011 – October 2015

### Client: Compuniek ICT Services

I led the development of an iOS application designed for Retail field engineers to efficiently manage their service tickets. The process begins with the creation of new tickets, initiated by sending relevant information to a designated email address. The backend system parses the email content, extracting details such as the associated Retail store through store number and personal information (NAW). Subsequently, the assigned engineer receives a push notification on their mobile device. Within the application, engineers can seamlessly resolve tickets by specifying hours worked and recording consumed hardware.

#### Technologies

PHP, Object-Oriented Programming (OOP), MySQL, Swift, Xcode

## PHP Backend Developer – ActionScript Frontend Developer | Intern Time Registration System | April 2011 – October 2015

### Client: Compuniek ICT Services

Compuniek ICT Services specializes in providing cutting-edge ICT services for Small and Medium-sized Businesses (MKB) and the retail sector.

I spearheaded the development of a time tracking system tailored for internal employees in this project. The system allows employees to select a client from a database and initiate a timer when starting work. Upon completion, the system records the time spent for that particular client. Additionally, the collected data can be processed into comprehensive reports for each client.

#### Technologies

PHP, ActionScript, Apache Flex, Object-Oriented Programming (OOP), MySQL

## Skills

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### Programming Languages:

- PHP
- Swift
- Objective-C
- Go Lang
- C++
- C
- JavaScript (Node.js)
- TypeScript
- ActionScript

### Web Development:

- Symfony
- Laravel
- Nuxt.js
- Next.js
- Vue.js
- React.js
- HTML
- CSS3

### Databases and stores:

- MySQL/MariaDB
- PostgreSQL
- MongoDB
- SQLite
- Redis

## Frameworks and Libraries:

- Doctrine ORM/ODM
- Laravel Eloquent

## Messaging and Queuing:

- SNS (Simple Notification Service)
- SQS (Simple Queue Service)
- Gearman
- Kafka
- Symfony Messenger
- Laravel Queue
- League Tactician

## Search Engine:

- Elasticsearch

## Cloud Platforms:

- AWS (Amazon Web Services)
- Digital Ocean

## Container Orchestration:

- Kubernetes

## Infrastructure as Code:

- Terraform

## Version Control:

- GitLab
- GitHub
- Bitbucket

## Continuous Integration / Continuous Deployment (CI/CD):

- Bitbucket Pipelines
- GitLab CI
- GitHub Actions
- Travis CI

## Frontend Technologies:

- Twig
- Blade
- Bulma.io
- UIKit
- Tailwind

## Mobile Development:

- iOS
- Xcode
- ReactNative

## Testing:

- PHPUnit
- Behat
- Selenium
- Codeception
- Laravel Dusk

## Other Tools and Technologies:

- Docker
- Docker Compose
- Composer
- P2P (Peer-to-Peer)
- PHPStorm
- Postman

- VS Code
- GoLand
- Git
- Restful API/HTTP
- SOAP
- OpenAPI
- AsyncAPI

## Cryptocurrency Technologies (for Verge Currency project):

- Blockchain Technology (Bitcoin)
- Bitcore

## Work Processes

- SCRUM
- Agile
- TDD
- BDD

## Operating Systems

- MacOS/OSX
- MS Windows
- Debian/Ubuntu (Linux)

## Languages

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- **Dutch:** level C2
- **English:** level C1
- **Spanish:** level A1

## Personal Statement

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As an autodidact, I have acquired a broad and in-depth technical background through hands-on experience and continuous learning. My ability to work independently and collaboratively, coupled with a drive for improvement in client production processes and communication methods, reflects my commitment to delivering quality in every role within an organization.