# Annas Mohammad Yacoob Atchia

## Senior Software Engineer | Symfony Certified Developer

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## SUMMARY

Talented Software Engineer and **Symfony Certified Developer** with over 11 years of experience in back-end and web-development.

Strongly motivated person with good programming/problem-solving skills. Adheres to writing clean, readable, and maintainable code with proper documentation, while respecting coding standards.

Excellent comprehension and retention, and can work both independently or in a team. In short, reliable, trustworthy, hardworking, and fast learner.

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## SKILLS

**Languages:** PHP, Python, HTML, CSS, JavaScript, jQuery, AJAX, JSON, XML
**Databases:** MySQL
**CMS:** Drupal, WordPress
**PHP Frameworks:** Symfony, API Platform, Sylius
**Python Frameworks:** Django
**JS Frameworks:** React, GatsbyJS, Next.js
**Others:** Bootstrap, Docker, FrankenPHP, Git, Gulp.js, REST, SASS, SOAP, TypeScript

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## EXPERIENCE

### Senior Developer

**Novity - Ebène, Mauritius**
**May 2026 - Present**

- Develop and maintain the back-end of a Quality Monitoring SaaS platform using Symfony, based on a microservices and message-driven architecture.
    - Design and implement REST APIs and asynchronous processes using RabbitMQ for communication between services.
    - Write unit, functional, integration, and acceptance tests using PHPUnit and Behat.

  **Languages:** PHP (8.x), JavaScript, JSON
  **Frameworks:** Symfony (6.4, 7.4)
  **DBMS:** MySQL
  **Others:** Docker, Elasticsearch, Git, RabbitMQ, REST

### Senior Full Stack Software Engineer

**BOCASAY - Ebène, Mauritius**
**July 2023 - May 2026**

- Maintained and enhanced a custom CRM built with API Platform and Symfony, for a company providing quality in-home services to individuals.
    - Migrated the application from PHP 7.4 to PHP 8.3 and upgraded the framework from Symfony 5.4 to Symfony 6.4.
    - Developed a client record module to centralize and manage medical information in compliance with Agence du numérique en santé (ANS) and Health Level Seven (HL7) Interoperability standards.
    - Integrated French national e-health services: Annuaire Santé, Dossier Médical Partagé (DMP), Identité Nationale de Santé (INS), Messagerie Sécurisée de Santé (MSSanté), Pro Santé Connect (PSC).
    - UI/UX redesign of the application.
- Developed a back-end system using API Platform and Symfony to manage licenses. Contributed partly to the development of the front-end application in Next.js.
    - License keys encrypted using Elliptic Curve Cryptography (ECC).
    - Wrote end-to-end front-end testing using Playwright.
- Developed a back-end system using API Platform and Symfony to facilitate communication with various external services (access control management system, video management system) for usage within the main application or as a standalone service.
    - Developed APIs to configure service provider information, including API endpoints and authentication details.
    - Developed centralized APIs to retrieve alarms and devices (e.g., alarm zones, cameras, input/output devices, monitors, etc.) from service providers.

    - Develop a centralized API to dispatch actions (e.g., moving a PTZ camera, controlling a monitor, turning on/off an alarm zone or a physical alarm, etc.) to service providers.
- Developed a back-end system using API Platform and Symfony for an application specialized in video surveillance, access control, and intrusion detection.
    - Developed APIs to configure service providers and interact with the API Gateway for retrieving alarms, managing devices, and dispatching actions.
    - Implemented a synchronization process of importing alarms/devices from configured service providers using Symfony Messenger/Scheduler Components with Supervisor for efficient background process.
    - Implemented a mechanism to restart workers upon creating, updating, or deleting service providers.
    - Broadcast real-time data about service providers, alarms, and devices from the back-end to the application using the Mercure Protocol.
    - Configured MongoDB for the alarm management system and event logging.
    - Developed APIs to configure map information (e.g., marker types, markers, sites, zones, building, floors, etc.).
    - Load users from several providers (Entity and LDAP).
- Developed a Node.js application with TypeScript to consume Server-Sent Events (SSE) from configured service providers and store them in a standardized format within the main application back-end.
    - Implemented a mechanism to restart Server-Sent Events (SSE) consumption upon creating, updating, or deleting service providers.
    - Wrote unit tests using Jest.
- Set up Docker configurations to run an OpenStreetMap server in offline mode.
- Set up a Docker reverse proxy to run multiple applications on the same server.
- Developed scripts to install multiple applications on Linux and Windows operating systems.
- Wrote unit, functional and integration tests using PHPUnit on the back-end systems.
- Respect coding standards using tools such as PHP CS Fixer, PHPStan, Rector, ESLint and Prettier.
- Set up GitLab CI/CD for continuous integration and deployment of various applications.
- Handles deployment process.
- Team leading and code review process.

**Languages:** PHP (7.4, 8.3), HTML, CSS, JavaScript, JSON
**Frameworks:** Symfony (5.4, 6.4), API Platform (2.6, 3.4), React, Next.js
**DBMS:** MySQL, MongoDB

**Others:** Docker, FrankenPHP, Git, Node.js, TypeScript, REST, SASS, Shell scripting

## Lead Developer

**Extension Interactive - Quatre Bornes, Mauritius**
**September 2020 - July 2023**

- Developed websites using a GraphQL Headless CMS architecture with Drupal/WordPress as back-end and Gatsby.js as the front-end.
- Maintained and developed new features for a website built on Nuxt, Prismic and Strapi.
- Maintained and developed new features for an e-commerce website built with Sylius and Symfony for a company that sells baby care products (nappies, baby wipes, etc.) on a monthly subscription basis.
    - Customized the Sylius platform to manage multilingual page content, sample campaigns, and other dynamic blocks.
    - Implemented a customized checkout process integrated with Mollie (Cards, Klarna, PayPal) and Stripe (Cards) payment gateways.
    - Implemented integrations with Cubyn for shipment management and ActiveCampaign for marketing automation.
- Maintained and developed new features for a website with a custom CMS built with Symfony for a company that provides childcare services.
    - Custom page builder.
    - Implemented an online registration system for enrolling children in nurseries integrated with the company's Salesforce platform.
- Maintained and developed new features for a health association website built on WordPress Multisite.
- Developed and maintained websites using Drupal and WordPress, building custom themes and modules/plugins to meet specific business requirements.
- Respect coding standards using tools such as PHP CS Fixer, PHP_CodeSniffer and Prettier.
- Set up DeployBot, GitLab CI/CD for continuous integration and deployment of various applications and websites.
- Handled deployment process.
- Team leading and code review process.

**Languages:** PHP (7), HTML, CSS, JavaScript, jQuery, AJAX, JSON, XML
**CMS:** Drupal (7, 8, 9), WordPress (4, 5, 6)
**Frameworks:** Symfony (4.4, 5.4), Sylius (1.x), React, GatsbyJS
**DBMS:** MySQL
**Others:** ActiveCampaign, Bootstrap, Docker, Git, Gulp.js, LAMP, Mollie, REST, SASS, Stripe

### Senior Web Developer

**Extension Interactive - Quatre Bornes, Mauritius**
**August 2018 - September 2020**

- Developed an e-learning platform for users aged 12-25 to learn digital skills (coding, programming, etc.) on a subscription basis (monthly and yearly), using Moodle and WordPress for e-commerce management.
    - Developed a custom plugin to connect WordPress e-commerce with Moodle for user (user creation post-subscription, parental monitoring features) and subscription (free trials, renewals, cancellations) management.
    - Integrated WooCommerce, WooCommerce Subscriptions, Stripe payment gateway.
- Developed an e-commerce website using Sylius and Symfony for a company that sells custom-made kibble for cats and dogs on a monthly subscription basis via Stripe subscriptions.
    - Developed a simulator to calculate precise food portions for cats and dogs according to their profiles (age, breed, sex, weight, etc.).
    - Implemented integrations with ActiveCampaign for marketing automation.
- Developed and maintained websites using Drupal and WordPress, building custom themes and modules/plugins to meet specific business requirements.
- Handled deployment process.
- Code review process.

**Languages:** PHP (5, 7), HTML, CSS, JavaScript, jQuery, AJAX, JSON
**CMS:** Drupal (7, 8), WordPress (4, 5)
**Frameworks:** Symfony (4.4), Sylius (1.x)
**DBMS:** MySQL
**Others:** ActiveCampaign, Bootstrap, Git, Gulp.js, LAMP, REST, SASS, Stripe

### PHP Developer

**Jini Guru - Ebène, Mauritius**
**March 2017 - July 2018**

- Developed a back-end system with a custom CMS using Yii for MVNO (Mobile Virtual Network Operator) mobile applications.
    - Implemented integration with various service providers (telecommunications enabler, virtual wallet system) via SOAP APIs.
    - Developed APIs for SIM card registration, in-app (airtime/data) purchases via a virtual wallet system, in-app messaging.

    - Implemented integration with Peach Payments payment gateway to allow users to top up their virtual wallets.
    - Implemented a rewards ad system that credits users' virtual wallets for watching advertisements (CMS-configured Ads and Google Ads) and provided ads reporting in the CMS.
    - Migrated the back-end system to Laravel.
- Handled deployment process.
- Team leading and code review process.

**Languages:** PHP (5.x, 7.x), HTML, CSS, JavaScript, jQuery, AJAX, JSON, XML
**Frameworks:** Laravel (5.x), Yii (1.x)
**DBMS:** MySQL
**Others:** Bootstrap, Docker, Git, LAMP, Peach Payments, REST, SOAP

### Junior PHP Developer

**InfoZen Consulting - Port Louis, Mauritius**
**August 2015 - February 2017**

- Developed websites using WordPress.
- Developed and maintained back-end systems using Laravel for mobile applications.
- Wrote unit testing with PHPUnit for the back-end systems.
- Graphic design.
- Handled deployment process.

**Languages:** PHP (5), HTML, CSS, JavaScript, jQuery, AJAX, JSON
**CMS:** WordPress (4.x)
**Framework:** Laravel (4.x, 5.x)
**DBMS:** MySQL
**Others:** Adobe Photoshop, Bootstrap, Git, LAMP, REST, SASS

### Web Developer

**TWO Institute - Curepipe, Mauritius**
**January 2015 - August 2015**

- Developed websites using WordPress.
- Handled deployment process.

**Languages:** PHP (5), HTML, CSS, JavaScript, jQuery, AJAX
**CMS:** WordPress (4.x)
**DBMS:** MySQL
**Others:** Bootstrap, XAMPP

## EDUCATION

**Bachelor's degree in Web and Multimedia Development**
**University of Mauritius - Réduit, Mauritius**
**Graduated: 2014**

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## CERTIFICATIONS

**Symfony 8 Certification - Advanced Level**
**SensioLabs - France**
**Obtained: 2026**

https://connect.symfony.com/profile/annas-atchia

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## LANGUAGES

**Arabic:** Beginner
**English:** Upper intermediate
**French:** Intermediate