Alberto Nessi

PHP / Symfony Backend Developer

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PROFESSIONAL SUMMARY

I'm a PHP/Symfony backend developer with 5+ years of experience building and maintaining B2B applications, ERP/CRM workflows, REST APIs and integrations with platforms such as Magento 2.

I love building cool and useful features that make everyday work easier for our customers.

My recent work includes AI-assisted document extraction, natural-language filters and dashboards, AI-assisted application navigation, multi-provider LLM integrations, usage tracking and cost controls.

TECHNICAL SKILLS

Backend: PHP, Symfony, Doctrine ORM, MySQL, SQL, REST APIs
Frontend: HTML, CSS, JavaScript, jQuery, Twig, Bootstrap, DataTables
Integrations: Magento 2, ERP systems, CRM systems, third-party APIs, data synchronization
AI / LLM: OpenAI, Google and Anthropic APIs, NeuronAI, agent workflows, structured data extraction, AI-assisted navigation, natural-language filters and dashboards, usage tracking, cost controls
Development Tools: Git, Docker, PhpStorm, Postman, OpenAI Codex

PROFESSIONAL EXPERIENCE

Web Developer — PHP / Symfony

S.E.C. System Engineering Consulting S.r.l.
Mar 2021 – Present

- Build and maintain B2B web applications covering orders, customers, documents, reporting, surveys and internal business workflows.
- Develop REST API integrations and data synchronization between Symfony applications, Magento 2, Salesforce, ERP systems, CRM systems and other business platforms, including work across applications in Symfony 3, Symfony 5 and Symfony 7.
- Maintain and improve both legacy and newer Symfony applications, working across business logic, database queries, integrations, frontend behaviour and debugging.

Featured Project — AI Features for Business Applications

Built a reusable AI foundation to bring practical AI features into customer applications, including older projects running different PHP and Symfony versions.

- **Reusable AI integration layer:** built shared Symfony services using NeuronAI to integrate OpenAI, Google Gemini and Anthropic. Centralized provider and model selection, prompts, access permissions, usage tracking and monthly spending limits, making AI functionality reusable across different application features and allowing providers and models to be switched without rewriting feature-specific integrations.
- Designed the AI integration layer for reuse across customer applications with different PHP and Symfony versions. Ported the same capabilities to legacy applications running PHP 7 and Symfony 3.4, allowing them to adopt newer AI functionality without requiring a full application upgrade first.
- **AI-assisted sell-out extraction:** built a workflow that extracts product codes and quantities from photos, PDFs and CSV files, matches them against the ERP catalogue and presents the results for user review before saving. The system handles different document layouts without the strict formatting requirements of the previous AWS Textract workflow, reducing manual data entry, processing time and operating costs.
- **AI-assisted Global Search:** built a permission-aware search feature that lets users find application sections and data-entry pages using natural language instead of knowing exact page or menu names. Straightforward searches are resolved locally, while AI is used only when additional semantic interpretation is required, reducing unnecessary model calls and associated costs.
- **Natural-language filters and dashboards:** built features that let users describe filters and dashboard widgets in plain language. AI-generated output is validated against application rules before being executed or persisted.
- **Backend validation and permissions:** restricted AI-generated dashboard queries to validated read-only SQL, enforced widget visibility through existing application permissions, and persisted widgets and their related configuration in a single database transaction to prevent partial failures from leaving inconsistent data.

Web Designer

Publiem srl
Jun 2019 – Jun 2020

- Designed and maintained websites for small businesses using HTML, CSS, JavaScript and Bootstrap.
- Built responsive layouts and frontend components, combining a background in visual design with practical web development.

EDUCATION AND TRAINING

IFTS — Full Stack Developer for Industry 4.0
Fondazione Et Labora
2020

Bachelor's Degree in Industrial Product Design
Politecnico di Milano
2019

LANGUAGES

Italian: Native
English: Professional working proficiency, particularly in writing and listening