

Karl LOF

JVC, Dubai - United Arab Emirates | @ : lof.karl@yahoo.fr | ☎ : +971 56.276.4422

Senior Backend Developer

Career Summary

Senior Backend Developer, with several years of experience in web application development, mainly in PHP and Symfony. I also have a strong affinity with Javascript and NodeJS. I'm really passionate about the Elastic stack, and also have a strong interest in blockchain development.

Skills

- Strong experience with PHP/Symfony
- Ability to manage the Elastic stack and strong knowledge on Elasticsearch
- Experience with NodeJS
- Lead project development
- Experience working within an Agile Scrum team
- Familiar with Blockchain development and Ethereum network
- Consistently seeking and learning new technology

Achievements

- ✓ Improvement of the search relevancy of the search-as-you-type feature of a marketplace, by tuning the mapping and query in Elasticsearch.
- ✓ Creation of a timeline Dashlet (SugarCRM add-ons), sold on the SugarOutfitters store.

Work Experience

Backend Developer

Property Finder - Dubai, United Arab Emirates

February 2018 – Present

- Successfully participated in the development of a full Rest API application. (JSONApi), in Symfony 4, Doctrine, PostgreSQL.
- Implementing a stress tests process, to monitor the performance of the API, with JMeter.
- Developed an endpoint generator to facilitate and speed up the development process with a new Symfony bundle. Consists in generate the PHP classes with Twig templates.
- Developed a micro-service in Go to deliver 2 endpoints, one to import « projects » data from a CSV file, another one to list the projects data.

Symfony | PHP | PostgreSQL | Git | Docker | Jenkins | Golang

Backend & Elasticsearch Developer

TradeTracker - Dubai, United Arab Emirates

July 2016 – December 2018

Backend Developer:

- Successfully rebuilt the product feed feature of the main application, as a standalone application in Symfony 3
- Developed the enrichment application in Symfony 3, for the backend, Bootstrap 3/jQuery for the frontend.
- Achieved the development according to the best practices, Unit/Functional Tests/Code Review, API/Technical Documentation.
- Developed and maintain the importer application in NodeJS, this application consists of parsing the feed files, extract the products then sends the messages to the RabbitMQ queue.
- Developed API endpoints, in NodeJS, to trigger the import process, by sending messages in RabbitMQ.
- Wrote continuous integration configuration files (CI/CD) for the applications in Gitlab.

Elasticsearch Developer:

- Managed the Elastic infrastructure (Elastic Cloud, creation of mapping/index)
- Improved the search relevancy of our marketplace by tuning the query
- Developed a QA application in Ruby to validate the query, by generating screenshots for different search keywords (Capybara + Chromedriver).
- Implemented the suggestions proposed by the Elastic support and other consulting companies.

Elasticsearch | Symfony | PHP | NodeJS | Ruby | RabbitMQ | PostgreSQL | Solr | Javascript | Git | Docker | CI/CD

Web Development Engineer

CARRENET - Boulogne-Billancourt, France

November 2014 – June 2016

- Developed and maintained a web portal in Symfony 2/Bootstrap/SemanticUI, to access the customer CRM data (SugarCRM through API endpoints). The customer could access its data, in read-only mode, without buying additional user licenses.
- Successfully built a Dashlet (SugarCRM plugin), activities timeline, sold on the SugarOutfitters store with a good rating from the users.
- Developed a Symfony 2 application to generate documents in Word. The generator receives a template document with variables and a list of values, then build the final document.
- Customized SugarCRM applications, by creating new forms, modules, fields.

Symfony2 | SugarCRM | HTML/CSS | API | Ajax | Backbone.js | Mustache

Software Analyst

Enablon - Courbevoie, France

May 2011 - July 2014

- ◉ Maintained the Chemical Management System application, in Nabsic, with the implementation of new features and bug-fixing.
- ◉ Improved the UI of the application, more intuitive and dynamic, by implementing new jQuery and Ajax code.
- ◉ Successfully implemented the retrieval of the chemical substances and the MSDS (material safety data sheet) of the materials, by querying the SOAP web-service of a content provider.
- ◉ Led the developments on the CMS platform and assisted the juniors, in a Agile Scrum Team.
- ◉ Performed the training of the new users, for the creation and the use of the Enablon reports.

Nabsic/VB6 | jQuery/Ajax | Scrum | HTML/CSS | SOAP

Web Developer

Alten - Boulogne-Billancourt, France

May 2007 - April 2011

Renault IDVU (at the client site - 2yrs) - Villiers St Frédéric, France

- ◉ Developed Intranet applications in PHP/Oracle, to ease the internal processes.
- ◉ Successfully maintained the Mailing List application, a mailing list builder where the data are taken from the LDAP users list (bug-fixes and development of new features).
- ◉ Created a POC of an application in VB.net to reduce the cost of vehicles production.

Renault Design (at the client site - 2yrs) - Guyancourt, France

- ◉ Initiated and built the incident management application of the IT department, in LAMP. An application to track and logs all the incidents, with a lock system when updating the statuses of the incidents.

PHP | HTML/CSS | SQL | Oracle | VB.Net

Formation

- ◉ **UDACITY Nanodegree** Blockchain Developer : **Jan 2019 - Oct 2019**
- ◉ **Master in Computer Science** Information System Designer (E.A.B.H.E.S) : **2005 - 2006**
- ◉ **CS2I** - Information System Designer at 3IL (Limoges - France) : **2004 - 2006** :
- ◉ **BTS IG** - Higher Technician Certificate in IT (Clermont-Ferrand - France) : **2002 - 2004**
- ◉ **Baccalaureate STT** - Information Technology (Fort-de-France - Martinique) : **2001 - 2002**

Languages

- ◉ **English:** Fluent
- ◉ **French:** Native
- ◉ **Spanish:** Conversational