Kevin Papst

Technical Lead, Software Developer, PHP, Symfony & Zend

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Year of birth: 1978
Languages: German & English

About me

As a passionate software engineer I have more than 17 years of professional experience in developing successful projects for large companies in the trade, e-commerce and tourism sector. In this context, I have been working with many complex environments that required the use of diverse technologies for the realisation of comprehensive solutions. I see myself as a back-end developer of web & API systems, promoting the automation of the software life cycle and thus supporting my customers with the set-up and extension of scalable multi-tier systems. In the course of the last years, I had several times the opportunity to compose and manage developer teams and to establish and further develop CI and CD processes.

I prefer to work with a Mac computer under PHPStorm and the Linux console. In addition, I am familiar with both virtualised cloud container solutions and classic hosting stacks. I am able to quickly familiarize with new technologies, issues and tasks by always keeping an eye on the strategic development of the core product. As part of an agile team, I like to discuss requirements and solutions on the whiteboard in order to subsequently realise these in clean and tested software modules.

Short profile

Software developer since 2000

PHP Backend & API development with Zend Framework and Symfony

Positions

Technical lead, lead developer, software developer, team lead full-stack web development

Degrees

Bachelor in computer sciences, Hochschule Bonn-Rhein-Sieg/university of applied sciences, 2009

IT specialist application development, Pironet NDH AG, 2003

Selected customers

Airberlin, Esprit, C&A, SolarWorld, Media-Saturn, Metro Group, Coop Switzerland, Merz Pharma

Soft skills

Agile and committed team player, analytical and strategic way of thinking, open and appropriate communication type, enthusiastic, quality-oriented, able to deal with conflicts, structured and target-oriented way of working.

Professional career

Freelancer
PHP software development: 2008 – today

I have been working as a freelancer in PHP projects for many years. In the course of my career, I was mainly involved in projects for large companies and acquired experience in working in teams of different types and sizes, in Germany and other European countries. In addition to my quick grasp, quality orientation and my good English language skills I have expertise in customer communication as well as team and project management. I like working in teams, discussing on the whiteboard, developing and implementing requirements, agile and test-driven software development, also performing DevOps tasks and of course drinking good cappuccino from time to time.

Managing director
Web agency Keleo: 2009 – 2015

I founded the web agency Keleo in 2009 to provide customers with an even better support. Together with a team of freelancers I developed web applications, both in Germany and at international level.

Student
Bachelor in computer sciences: 2006 – 2009

In order to complement my knowledge and practical experience I decided to quit my job and gain more theoretical know-how. Thus, I started to study computer sciences with focus on business informatics in 2006. I successfully completed my studies in 2009, obtaining a bachelor degree.

Consultant
Java software development 2003 – 2006

In the period between 2003 and 2007, I worked as a consultant for customer projects of Pironet NDH AG. I was assigned on a freelance basis and on-site at the customer's and also acted as a team leader and technical project manager. Focus was on the development of internet and intranet portals by using the in-house content management system pirobase.

Education
IT specialist for application development 2000 – 2003

At a very early stage already I started with programming activities. I have always had a special interest in software development and was passionate about Basic, QBasic, Turbo Pascal, Visual Basic über HTML, CSS and Javascript. In 2000, I started my apprenticeship to become an IT specialist for application development with Pironet NDH AG and successfully completed this education after 2.5 years.

Project history

The following project list does not claim to be complete, it shall demonstrate my broad range of expertise and experience.

2014 – 2017: Website and booking process for Airberlin PLC

Technical lead & software developer

Various projects within 40 months:

2017: Development of a CMS for a website relaunch – www.airberlin.de

- Team size: 4 persons

- Technologies: Symfony 3, Twig, Doctrine, MySQL, AWS, Docker, nginx, SSI, PHP, Composer

- Tasks: Lead developer for the planning and implementation of a CMS based on Symfony 3 for the full-responsive relaunch of the company website. Decoupling of administration and the front-end of the CMS, set-up of a role-based synchronisation process for the deployment of contents in different stages.

2016: Relaunch booking process (IBE) – www.airberlin.de

- Team size: up to 15 persons

- Technologies: Zend Framework 2, Apigility, Graylog, AWS, Redis, logz.io, MySQL, PHP, REST, Jenkins, Capistrano, Soap, Ant

- Tasks: technical lead in the e-commerce team, responsible for planning and realising the relaunch of the booking engine based on Angular JS and a REST API. Connection of SOAP web services and external interfaces. Development of a continuous development strategy by using Docker.

2015: Set-up REST API for native apps and website – www.airberlin.de

- Team size: up to 4 persons

- Technologies: Zend Framework 2, Apigility, MySQL, PHP, Jenkins, Composer, Soap, JSON

- Tasks: Development of modular REST API based on Zend Framework 2 and Apigility that provides different interfaces of the booking system for native apps.

2014: Further development and DevOps – www.airberlin.de

- Team size: 10 persons

- Technologies: Zend Framework, PHP, Javascript, HTML, CSS, Ant, Vagrant Jenkins, Graylog, Capistrano, Jenkins

- Tasks: Implementation of a local development environment by using Vagrant. Implementation of a central logging solution by using Graylog. Extension and relaunch of sub-areas related to the website and the booking process. Set-up of build and deployment processes by using Capistrano, Ant and Jenkins.

2011 – 2013: E-commerce online shops for Esprit and C&A
System architect, software developer & DevOps

Various projects within 30 months for Netrada:

2013: Continuous integration & server roll-out – www.esprit.de

Main responsibility for planning and implementing release and deployment strategies in several Zend Framework projects for one of the largest German e-commerce shops in the fashion sector.

- Team size: 3 persons

- Technologies: Apache, Bamboo, CentOS, Composer, continuous integration, Linux, MySQL, Phing, PHP, Zend Server

- Tasks: Planning and implementation of the entire continuous integration and deployment processes by using Bamboo and Phing for more than 30 test environments + live infrastructure with more than 15 servers. Development of the entire CI infrastructure with several workers and dozens of build plans for numerous Zend Framework projects incl. automated code analyses and test procedures. Development of deployment strategies for software and system configuration, planning and roll-out of server images for staging and live systems.

2012: Extension of an online shops – www.esprit.de

- Team size: 10 persons

- Technologies: PHP, PHPUnit, SOAP, XML, XSLT, Zend Framework, CSS, HTML, Javascript, JSON

- Tasks: Involved in the development of a multilingual payment process in the online shop. Implementation of unit tests. Creation and optimisation of the user interface, adaptation of the payment processes, optimization of the multi-browser. Integration of web services via SOAP.

2011: Extension of the online shop – www.cunda.de

- Team size: 10 persons

- Technologies: PHP, PHPUnit, Zend Framework, MSSQL, continuous integration, Jenkins, CSS, HTML, Javascript, SOAP, UTF-8

- Tasks: technical lead for the multilingual payment process. International roll-out in several counties with UTF-8 conversion of the application and database. Implementation of Jenkins as CI environment. Implementation of unit tests on PHP page. Preparation and multi-browser optimization of the user interface, integration of international payment providers (e.g. Płatności) and integration of SOAP web services.

Technical skills and competences

The following list is unsorted, the categorisation is based on my personal assessment.

Expert knowledge

PHP, Zend Framework 1 & 2, Apigility, OOP, TDD, software architecture, design patterns, domain-driven design, Enterprise application architectures, distributed systems, web services (REST, SOAP, RPC), continuous delivery, continuous integration, agile methods & software development (Kanban, Scrum), PHPUnit, Jenkins, Jira, Bamboo, Composer, Ant, Phing, PHPStorm

Sound knowledge

Symfony 2 & 3, Twig, Linux (CentOS, Ubuntu 6.10 and later versions), Apache2, Graylog, Nginx, PHP-FPM, Redis, MySQL, Vagrant, Docker, Selenium, Memcached, Redis, Lucene, Solr, Docker, Vagrant, Virtual Box, Jira, JavaScript, HTML / HTTP, CSS, jQuery, JSON, Git, SVN, XML, XSLT, shell scripting, WebDAV, Doctrine 2, Smarty, Wordpress, Bower, Grunt, npm, SASS, LESS, Dojo, Jekyll, documentation, Zend Server 5 & 6, Mac, Windows, GitHub

Basic knowledge

SEO, SEA, MsSql, Trac, ezComponents, Propel, phpDocumentor, Node JS, Maven, Zend Server API, Nagios, PRTG, Open LDAP, Swagger