

KAROL PADIASEK

TECH LEAD / SENIOR SOFTWARE ENGINEER

CONTACT

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PROFILE

Senior software engineer and technical lead with 15+ years of experience designing and building scalable web applications and SaaS platforms. Strong background in software architecture, system and database design, API development, and cloud-based deployments, with hands-on experience across PHP, C#, TypeScript/JavaScript, Go and Python. Experienced in designing modular and distributed systems using relational databases, Redis and asynchronous/event-driven architectures, with a strong focus on scalability, performance, reliability and maintainability. Experienced in leading greenfield development and mentoring engineers while remaining deeply hands-on. Comfortable taking ownership of products from initial architecture and technical decisions through development, deployment and ongoing evolution.

EDUCATION

MSc Mathematics

1999-2004

Adam Mickiewicz University

BSc Computer Science

2004-2007

Adam Mickiewicz University

DEVELOPMENT SKILLS

Back-end

PHP MySQL Laravel Yii

Linux AWS Apache APIs

Redis CodeIgniter Golang

Bash Nginx C# Python

PHPUnit Proxmox WebSockets

EXPERIENCE

Senior Backend Engineer - AI & Data Systems - CompareIT

09/2025 – 08/2026

- Designed and developed core backend systems for an MSP discovery SaaS platform using Laravel, including advanced search, filtering, and data-driven matching
- Implemented scalable API architecture and modular service-based (microservices-style) systems to support a React.js frontend, enabling dynamic dashboards, AI-assisted workflows, and real-time user interactions
- Integrated third-party data sources (e.g. review platforms, company data APIs) and designed ingestion pipelines for automated data enrichment and periodic updates
- Built AI-driven matching system translating natural language queries into structured filters and ranking logic for accurate recommendations
- Collaborated with frontend, PM, and client stakeholders to refine scope, ensure scalability, and clearly define out-of-scope features during an evolving SaaS build

Full Stack Web Developer – Beep Digital

06/2025 – 07/2025

- Contributed to development of a custom CMS platform using Laravel and React.js

Architecture

Microservices API design

Distributed Systems

Front-end

JavaScript Angular VueJS

ReactJS Bootstrap jQuery

CSS3 HTML5 TypeScript

Ionic RWD Unity

Other Skills

Problem-solving Team-player

Time management Leader

Scrum Agile Kanban

Creativity Customer-focused

Result-Driven Mentor Git

Docker Vagrant GitHub

GitLab CI/CD Unit Tests

WordPress

LANGUAGES

English Professional

Polish Native

German Intermediate

Spanish Intermediate

- Built reusable UI components and integrated them with backend APIs
- Worked with Livewire and Filament to enhance admin workflows

Backend & DevOps Engineer – ControlHub

04/2025 – 05/2025

- Designed architecture for dual-platform system (admin + client-facing), ensuring secure data exchange and scalability
- Built robust data synchronization mechanisms between the platforms to support real-time updates and secure cross-platform communication.
- Integrated invoice data from QuickBooks, exposing it securely to end users via ControlHub, while ensuring strict separation of concerns and tenant-level access control.
- Built and maintained staging and production environments (Proxmox VMs), implementing CI/CD pipelines and automated deployment workflows
- Used LAMP/Laravel + ReactJS for both ControlHub and Tenant websites

Full Stack Web Developer – Red Box Web Design

02/2025 – 03/2025

- Enhanced security and implemented new features in a modern web application for scheduling fire inspections
- Developed and maintained a PHP/Laravel API and a ReactJS front-end within an AWS environment, utilizing Docker
- Transformed the website into a Progressive Web App (PWA), enabling offline functionality for completing inspection reports

Full Stack Web Developer / DevOps Engineer – Miura Systems

12/2023 – 07/2024

- Enhanced and maintained a PHP (Yii2) platform, delivering new features and improving system reliability
- Designed and optimised CI/CD pipelines (GitLab), streamlining deployments and development workflows
- Worked extensively with AWS and Docker, supporting scalable infrastructure and efficient delivery processes

Founder / Lead Developer – Dragon Lords (Independent Project)

02/2023 – present

- Architected and developed a cross-platform MMORPG using Unity/C#, covering core systems including world navigation, pathfinding, combat, mining, crafting, inventory and multiplayer
- Designed and built the backend/API using Laravel, MySQL and Redis, using RabbitMQ, queues and event-

PASSIONS

- Rock climbing
- Drums
- Vinyl records mixing
- Time with family and nature

driven patterns for asynchronous processing and communication between services

- Built and evolved the real-time communication layer from Node.js to Go/WebSockets, supporting efficient real-time multiplayer interactions
- Designed the overall system architecture and communication between the Unity client, Laravel API and real-time services

Lead Developer / Scrum Master / DevOps Engineer – Ludic Group
10/2019 - 02/2023

- Worked on SmartLab, a SaaS product serving global companies
- Oversaw and worked hands-on on SmartLab's transition from CodeIgniter 3 to Laravel and VueJS
- Supervised building SmartLab's mobile app with Angular and Ionic
- Collaborated with Project Managers to ensure timely feature delivery for various clients
- Successfully implemented Scrum methodology in the Dev Team, overseeing sprint planning and execution
- Mentored junior developers, conducted code reviews, and established effective branching strategies
- Created DevOps tools and bash scripts for easy SmartLab instances updates

Senior Full Stack Web Developer – Ludic Group
05/2016 - 10/2019

- Built graphical representation and CSV export for multiple statistics within SmartLab
- Developed a Learning Content Builder for SmartLab using ReactJS
- Architected and developed a robust platform for major banking institution in Laravel 5
- Acted as project lead and contributed significantly to task management system (Laravel 5)
- Helped improve SmartLab via adding new features, updating old, fixing bugs

Full Stack Web Developer / SysAdmin – Design Forge
03/2014 - 05/2016

- Created ximbo.land - fashion game / community site written in Yii framework, AWS server admin (later migrated to Proxmox), extensive use of Redis caching
- Worked with digital agencies in London to help build complex web applications using Laravel 5, Yii2 and WordPress

Senior Web Developer – OnBuy.com
01/2013 - 03/2014

- Built and scaled product ingestion systems for a large e-commerce marketplace, handling millions of products from tens of thousands of sellers
- Designed backend logic and tools to process, normalise, and synchronise high-volume product and stock data feeds

- . Developed systems to ensure data accuracy, availability, and performance across a high-traffic, public-facing platform
- . Collaborated on core platform architecture, contributing to scalable solutions for marketplace growth

Senior / Lead Web Developer – CD-WEB digital agency
03/2012 - 12/2012

- . Built an "ask a lawyer" portal for onet.pl, integrated various payment gateways
- . Created SEO enhancing tool using Yii framework
- . Created complex CRM system for sewage company, including a C# program to import from Oracle database
- . Mentored junior devs and acted as project manager for projects created with company's CMS system

Web Developer – CD-WEB digital agency
06/2009 - 02/2012

- . Built numerous e-commerce solutions, web portals, CRM's, as well as simple websites based on the company's CMS system
- . improved / developed further company's legacy CMS system
- . Refactored/rebuilt my MMORPG game / created my own little PHP framework

Web Developer – freelancer
10/2006 - 10/2009

- . Added new and improved existing features worked on optimisation of job board website: gowork.pl (legacy code)
- . Created websites with WordPress and Joomla
- . Created MMORPG game: www.smoczyjezdcy.pl
- . Took various web development jobs, mainly focusing on PHP and MySQL optimisation