

# Ferenc Papp

## Senior Full-Stack Developer & AI Solutions Engineer

pappfer@pappfer.hu • pappfer.hu • Debrecen, Hungary



15+ years experience

EU + US clients

EN / HU / DE

### CONTACT

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Web: [pappfer.hu](http://pappfer.hu)

Location: Debrecen, Hungary

### PROFILES

LinkedIn: [@pappfer](#)

GitHub: [@pappfer](#)

StackOverflow: [@pappfer](#)

X: [@pappfer](#)

### CORE STACK

#### BACKEND DEVELOPMENT

PHP, Laravel, Python, Symfony, Yii2, FastAPI

#### FRONTEND DEVELOPMENT

Vue.js, React, TypeScript, JavaScript, Svelte, HTML5/CSS3, Tailwind CSS

#### AI & LLM

LLM Integration, LLM Fine-Tuning & Evaluation, Semantic Search, Vector Databases, Embeddings, Multi-Class Classification, RAG Pipelines, Hyperparameter Tuning, Agentic Workflows, OpenAI API, Anthropic API, LangChain

#### DATABASES

MySQL, PostgreSQL, MongoDB, Redis, Pinecone, ChromaDB

#### DEVOPS & TOOLS

Linux, Docker, Git, CI/CD, AWS, Nginx, Deployer

#### MOBILE

PWA, Offline-First Architecture, React Native, Ionic

### LANGUAGES

Hungarian: Native speaker

English: Fluent

German: Basic

## PROFILE

Senior full-stack developer and AI solutions engineer with over 15 years of professional experience. I build scalable, high-performance web ecosystems with PHP/Laravel, Vue.js and Python, and engineer production-ready generative AI / LLM systems — fine-tuning, semantic search, vector databases, embeddings and RAG pipelines. Since October 2024 I work dedicatedly with DataExpert and its sister company Rubiklab on flagship projects. Based in Debrecen, Hungary, working with teams across Europe and the United States.

## SELECTED EXPERIENCE

### Senior Full-Stack Developer

Oct 2024 – Present

DataExpert

Architecting and building scalable, high-performance Progressive Web Apps for flagship projects.

- Scalable, high-performance Progressive Web Apps (PWA)
- Laravel backend with a Vue.js frontend
- Python scripts and microservices

### Senior AI Solutions Engineer

Oct 2024 – Present

Rubiklab

Generative AI integrations and R&D, including the in-house LabIQ product.

- LLM fine-tuning, benchmarking and comparison
- Semantic search with vector databases and embeddings
- LLM-based multi-class classification systems
- Hyperparameter optimization (temperature, top-k/top-p) for deterministic output

### Full-Stack Developer & Technical Consultant

Mar 2017 – Present

Self-employed (Sole Proprietor)

Independent practice as a sole proprietor: custom web applications and AI integrations (LLM-powered features, RAG pipelines, vector search) plus survey systems for market research clients across the EU and US.

- Custom Laravel/Vue.js web applications for market research clients
- AI integration: LLMs, RAG pipelines, vector databases, agentic workflows
- Multi-tenant SaaS platforms and survey systems
- Technical consulting and architecture reviews

### Senior PHP Developer

Feb 2015 – Mar 2017

Fathom Minds

Led web application and API development using Yii2 framework. Set up the company's Git infrastructure and worked on the internal Flow project.

- Web app and API development with Yii2
- Set up Git infrastructure for the development team
- Worked on internal Flow project

### Frontend Developer

Jul 2014 – Feb 2015

Oktafone

Developed a startup web application using AngularJS, JavaScript, HTML5, and CSS3.

EDUCATION

**University of Debrecen**

Bachelor's program · Software Engineering  
Sept 2005 – Sept 2008

**Reformed College of Debrecen**

Secondary school · IT Specialist  
Sept 2000 – May 2004

SERVICE FOCUS

- Custom web application development (Laravel, Vue.js, React)
- AI integration and automation (OpenAI, Anthropic, RAG)
- Technical architecture consulting and performance optimization

EXPERIENCE (CONTINUED)

**Full-Stack Web Developer**

Dec 2011 – Jul 2014

pappfer.hu (Freelancer)

Built websites for individuals and companies using PHP, Yii, Laravel, and WordPress. Acquired clients through freelancer platforms.

- PHP, Yii framework, WordPress, Laravel
- Facebook, LinkedIn, Box.com, Stripe integrations

**Service Desk Analyst 2nd Line**

Aug 2011 – Dec 2011

British Telecom

Configured network devices (routers, switches) for global network support. Communicated with clients worldwide in English.

**Contact Center Server Administrator**

Apr 2010 – Aug 2011

IT Services Hungary

Maintained Linux and Windows servers, administered Avaya IP phones. Co-developed a PHP automation tool that saved 3+ hours daily for the team, receiving an innovation award.

- IT Services innovation award for PHP automation tool
- Linux and Windows server administration

**PHP Developer**

Apr 2009 – Apr 2010

Concept Solutions

Remote PHP development. Maintained and improved existing codebases, gaining experience with diverse implementation patterns and architectures.