

Patrik Fuhrmann, Software Engineer

Experienced software engineer with main interests in distributed systems. Currently specialising in PHP and MySQL driven systems, and recently exploring Go language as a future career endeavour. I possess full fluency in JavaScript and familiarity with Node.js and NoSQL backends. Furthermore, my in-depth knowledge of the cloud system management allows me to perform administration on various servers. Lastly, in my leadership experience, I was in charge of software development teams and responsible for the technical delivery of web properties.

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🕒 **Availability:** N/A

🌐 **Website:** <https://patrikfuhrmann.com>

TECHNICAL SKILLS

Specialties: LEMP / LAMP, writing OO code, developing and interfacing with REST APIs, SQL profiling and optimization

Languages: PHP (6 years), Golang (6 months), Node.js (2 years), HTML / CSS (6 years), JavaScript (6 years)

Tools: Symfony / Laravel PHP frameworks, Git, JSON, PHPUnit / Behat / Mink, ORM, MVC

Methodologies: Agile (Scrum & Kanban), BDD (Behaviour-driven development), TDD (Test-driven development)

Databases: MySQL, Redis, PostgreSQL, Kyoto Tycoon, MongoDB

Other notable programming skills: Java / Android, C# / .NET

RECENT EMPLOYMENT

February 2018 – Present, Amsterdam

Software Engineer | SO Connect

- SO Connect bridges the gap between offline and online

October 2017 – January 2018, Amsterdam

Senior Software Engineer | Docler Holding

- Company announced ceasing operations in the Netherlands few weeks after I joined
- Fixing security related issues (XSS, CSRF etc.)
- Working on multiple PHP microservices as well as core codebase

May 2017 – September 2017, London

Senior Software Engineer (PHP, Golang) | Mercari Europe

- Largest mobile marketplace in Japan with over 60 million downloads worldwide
- Working on the microservices written in PHP7 (Symfony3) and golang
- Utilised Go language for the basic image recognition service API to filter low quality items
- Creating automation to upload facebook custom audiences through the latest Graph API
- Ensuring microservices follow standards and are deployable to Google Container Engine (GKE)
- Developing cross-region features (UK, JP, US) in a kanban team with customer retention focus

October 2016 – April 2017, London

Web Engineer (PHP) | Cloudflare

- The web security company, covering roughly 10% of internet traffic at the time
- Creating and maintaining PHP APIs with lot of traffic (1 billion+ req/month)
- Developed WebP API integration with the Cloudflare's edge systems
- Various improvements to the internal "page rules" engine
- Working with many technologies such as Docker, Kyoto Tycoon, Redis etc.
- Server-side work on the scaling of the PostgreSQL database (master/slave replication)

February 2015 – September 2016, London

Technical Lead | babylon health

- Largest doctor-on-demand startup in the UK
- Started as lead PHP developer and promoted to the tech lead of Predictive Analytics team
- Responsible for the hiring of new engineers i.e. PHP (Symfony2), python and data scientists
- Creating development standards and best practices followed across the team
- Onboarding and mentoring engineers to ensure quality and timely delivery

March 2014 – January 2015, London

Senior PHP Developer (Symfony) | LendInvest

- LendInvest is leading online lender for short-term property finance
- Transforming legacy code from CodeIgniter to Symfony2 framework
- Creating BDD (Behavior-Driven Development) testing suite using Behat 3
- Redeveloped systems successfully launched in December 2014 which allowed company eventually lower minimum investment amount to £1,000

January 2013 – December 2013, London

Senior Software Engineer (Node.js, PHP) | entrago

- Working with sizeable Redis database (100+ GB) using Node.js but also PHP (ZF2 / Laravel)

December 2011 - September 2012, Reading (UK)

PHP Developer | Primrose.co.uk

- One of the largest UK online gardening retailer
- Finding bottlenecks in performance by profiling PHP (we went from 1600+ SQL queries on each page to less than 400 per page)

EDUCATION

2012 - 2015

BEng (Hons) Software Engineering | University of Greenwich, London

- 1st class honours degree

HOBBIES

Traveling, reading about technology, skiing and also water sports.