

Marcel Quirijnen

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PROFESSIONAL SUMMARY

- Senior Software Engineer with 20 years of IT experience, specializing in clean code, accessibility standards, and digital transformation.
- Strong collaborator and mentor, fostering a culture of code excellence while working effectively with cross-functional teams.
- Committed to continuous learning and embracing new challenges to stay at the forefront of industry trends.
- Expertise in technical design, task estimation, microservices, RESTful APIs, automated testing, and debugging, as well as skills with technical and financial storytelling tools like ChatGPT, GitHub Copilot and FinChat.

SKILLS

- **Programming Languages:** PHP, Go/Golang, Perl, Python, Shell (automation) scripting, Typescript, JavaScript, Node, React, Vue, C/C++, Expect
- **Database Management:** MySQL, PostgreSQL, Oracle, Stored Procedures, MySQL master/slave replication and sharding, DB2
- **Frameworks & Tools:** Laravel, Jenkins, Docker, Git, Github Actions, Copilot, Slim, Flask, RabbitMQ, Datadog, Ansible, Elasticsearch
- **Technical Project Management:** Agile methodologies, Scrum, cross-functional team leadership, Team Lead
- **Cloud Technologies:** AWS
- **Software Design & Architecture:** RESTful APIs, microservices, system performance analysis

WORK EXPERIENCE

Vasion (former PrinterLogic)

Sr. Software Engineer – Data Minds Team

Saint George, UT

01/2022 – 05/2024

- Work closely with product owners, engineers, designers, and QA to deliver industry-leading cloud-based printing solutions in a fast paced environment, focusing on cost management and print stats.
- Successfully migrated legacy systems to the cloud, enhancing data retrieval speeds
- Work closely with product owners, engineers, designers, and QA to deliver industry-leading cloud-based printing solutions in a fast paced environment, focusing on cost management and print stats.
- Contribute to the creation of functional and technical specifications.
- Assisting with technical design, task estimation, implementation, automated testing, debugging and deployment.
- Improve legacy PHP code following PSR standards and best practices, enhancing maintainability and performance.

- Contributed with the design and implementation of major features, including PHP REST APIs, Vue and React components as well as Golang microservices, resulting in a +20% increase in system efficiency.
- Analyze system functional and performance requirements to support design architectures.
- Stay up-to-date with new technologies (Go, Vue3, ChatGPT, CoPilot)
- Environment:
PHP, React, Golang, MySQL, Stored Procedures, AWS, RabbitMQ, Node, Docker, Laravel, Jira, Confluence, Github & Bitbucket, Github Actions, Copilot, DataDog, bash, zsh

Federal Reserve Bank of St. Louis, MO

St. Louis, MO

Sr. Web Developer – Research Web Group Division – FRED Team

01/2021 – 09/2021

- Maintained and secured the [FRED-family](#) of economics data websites, improving site performance and user accessibility
- Successfully migrated legacy systems to the cloud, enhancing data retrieval speeds
- Environment:
PHP, React, Node, JQuery, Git, Gitlab CI, bash, PostgreSQL, Docker, ElasticSearch, AWS

Wells Fargo Network Security

Charleston, SC

Web Developer V - ESPA Team Lead

04/2018 – 11/2020

- Developed Perl/Angular web-based endpoint security solutions, focusing on network authentication protocol 802.1x, resulting in improved security compliance.
- Environment
Perl, C, ROSE ORM, AngularJS, JSON, JQuery, SubVersion, MySQL, ActiveMQ, bash, IBM MQSeries, Putty, Jenkins, uDeploy, Jira, Crucible, Confluence, rpmbuild and Nagios

Optanix

Syracuse, NY

Sr. Back-end Developer – Tools & Automation – Rapid Innovation Team

03/2016 – 03/2018

- Contributed to the development and extension of HealthCheck Indicators for network appliances, serving Fortune 500 clients.
- Played a key role in enhancing the Optanix SAAS platform using LAMP stack and virtualization technologies.
- Automated Ubuntu package builds with Jenkins and mentored colleagues on Perl best practices, including leading a WebEx talk.
- Assisted with sprint planning, acted as Agile PM backup, and contributed to the development of an HTTP Poller service using Tornado and RabbitMQ.
- Environment:
Python 3, Perl, PHP, Ruby on Rails, C, bash, bourne script automation, Yii PHP Framework

Arkansas Blue Cross & Blue Shield

Little Rock, AR

PHP Back-end Web Developer

05/2010 - 02/2016

- Required understanding of HIPAA regulations and how it impacts applications and data:
- Contributed to developing a HIPAA-compliant web-based claims processing service using SOAP, XML, and WSDL for communication with mainframe and MS-based systems.

- Enhanced healthcare claims processing in AR, LA, MS, NM, RI, OK, and MO, integrating with Microsoft .NET, IBM Mainframe, and proprietary claims applications.
- Environment:
PHP, MySQL, Apache, SSL, JQuery, WSDL, SOAP, XML, JSON, Subversion(SVN), bash

The Daily Record, Inc.

Sr. Open Technology Engineer

Little Rock, AR

07/2006 - 05/2010

- Virtualize servers with VirtualBox/VMware ESXi/using OpenFiler, saving \$50K+ annually on hardware.
- Set up and maintain Linux servers for newspaper data, and host in-house mail server.
- Upgrade web applications to Web 2.0 standards using CodeIgniter, Ajax, and XML for Adobe publishing.
- Monitor DMZ servers with MRTG, Snort IDS, and AWstats, and implement an automated contingency plan.
- Environment:
PHP, C, CodeIgnitor MVC Framework, MySQL, Apache, Ajax, XML, Perl, shell script automation, C, Postfix, Dovecot, Horde groupware, SpamAssassin, MRTG, Nagios & Cacti, VirtualBox, ESXi, Bind9, OpenFiler, RAID disks

Vonage

Call Processing/VoIP Engineer (Pre-IPO)

Holmdel, NJ

02/2004 – 04/2006

- Develop a set of tools using Perl, PHP, Expect, Shell to support production monitoring and call processing. Example: SIP debugger
- Set up and maintain Linux servers for newspaper data, and host in-house mail server.
- Increase Vonage SIP IQ by improving production monitoring, anomaly detection, and reporting with my tools, transforming the environment into a reliable SIP network.
- Environment:
SSH, SSL, Perl, Expect, MySQL, SIP, Shell script automation, PHP, C, Nagios & Cacti

EDUCATION

MS in Computer Science - *LUC University, Belgium*

BS in Information Technology & Programming - *HORITO College, Belgium*

BS in Industrial/Power Electronics - *HORITO College, Belgium*

RELEVANT COURSEWORK

- Google Digital Marketing & E-commerce
- Business Innovation (University of Maryland)
- Interactive Programming in Python (Game programming, Rice University)
- Startup Engineering (Stanford University)
- Project Management (Udemy)
- [Online resume](#)