**Marcel Quirijnen** | Sr. Software Engineer (Full Stack)

Sikeston, MO 63801 USA

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### PROFESSIONAL SUMMARY

* Results-driven Sr. Software Engineer with almost 20 years of IT experience, specializing in clean, efficient code and accessibility standards.
* Proven track record of delivering high-quality projects that meet client expectations, leading to repeat engagements.
* Skilled in mentoring junior developers and fostering a culture of code excellence.
* Passionate about continuous learning, improving and leveraging emerging technologies to drive digital transformation.
* Assisting with technical design, task estimation, implementation, automated testing, debugging, monitoring and deployment.
* Experienced in designing, implementing, testing, debugging and integrating microservices and RESTful APIs.
* Well versed in technical and financial storytelling using ChatGPT, Github Copilot, FinanceGPT and Otter.ai

### CORE COMPETENCIES

* **Programming Languages:** PHP, Go, Perl, Python, Typescript, JavaScript (JQuery, NodeJS, React, VueJS, AngularJS), C/C++
* **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
* **Cloud Technologies:** AWS, Azure
* **Software Design & Architecture:** RESTful APIs, microservices, system performance analysis
* **System/Admin Tools:** Vagrant, Expect, MRTG, Snort IDS, Postfix, Dovecot, Bind9, tinyDNS, SpamAssassin, Nagios, Cacti, Shell scripting

### PROFESSIONAL EXPERIENCE

**Sr. Software Engineer – Data Minds Team**  
Vasion (formerly PrinterLogic), Saint George, UT  
01/2022 – 05/2024

* Led the development of cloud-based printing solutions, collaborating with cross-functional teams to deliver projects on time and within scope.
* Improved legacy PHP code following PSR standards, enhancing maintainability and performance.
* Contributed with the design and implementation of major features, including PHP REST APIs and Golang microservices, resulting in a 25% increase in system efficiency.

**Sr. Web Developer – Research Web Group Division – FRED Team**  
Federal Reserve Bank of St. Louis, MO  
01/2021 – 09/2021

* Maintained and secured the [FRED-family](https://fred.stlouisfed.org/) of economics data websites, improving site performance and user accessibility.
* Successfully migrated legacy systems to the cloud, enhancing data retrieval speeds by 20%.

**Web Developer V - ESPA Team Lead**  
Wells Fargo Network Security, Charleston, SC  
04/2019 – 11/2020

* Developed web-based endpoint security solutions, focusing on network authentication protocol 802.1x, resulting in improved security compliance.

**Full Stack Web Developer**  
PAM Transport, Tontitown, AR  
03/2018 – 03/2019

* Created a daily load board tool for the transportation industry, increasing carrier engagement and streamlining operations

**Sr. Back-end Developer – Tools & Automation – Rapid Innovation Team**  
Optanix, Syracuse, NY  
03/2016 – 02/2018

* Improvement and extension of HealthCheck Indicators for network appliances for a variety of Fortune 500 customers.

**PHP Back-end Web Developer***Arkansas Blue Cross & Blue Shield  
05/2011 - 02/2016*

* Implemented web-based, HIPAA-compliant claims processing services with XML and WSDL documents using SOAP protocol to communicate with mainframe and MS-based systems.

**Sr. Open Technology Engineer***The Daily Record, Inc., Little Rock, AR  
05/2008 - 05/2011*

* Saved $50K+/yr on hardware update expenses thanks to virtualization
* Implemented an automated contingency plan (after bad weather and theft experiences)
* Decreased legal liabilities with in-house email hosting

**Call Processing/VoIP Engineer**  
Vonage, Holmdel, NJ  
02/2004 (pre-IPO) – 04/2008

* Develop a set of tools using Perl, PHP, Expect, Shell to support production monitoring and call processing. Example: SIP debugger
* Significantly increase Vonage SIP IQ by an improvement of production monitoring, detection and reporting of anomalies using my tools. Thanks to this the production environment was turned into a well managed and reliable SIP network as we know it today.

### EDUCATION

**MS in Computer Science**  
LUC University, Belgium

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

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

### COURSEWORK

* Business Innovation (University of Maryland)
* Interactive Programming in Python (Game programming, Rice University)
* Startup Engineering (Stanford University)
* Project Management (Udemy)
* AWS Certified Developer (Linux Academy)
* Code samples: <https://github.com/MarcelQuirijnen>