# 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 using ChatGPT, Github Copilot, FinanceGPT and Otter.ai

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## 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](FRED-family) 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.

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## 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