

**Marcel Quirijnen** | Sr. Software Engineer (Full Stack)  
Sikeston, MO 63801 USA

[quirijnen.marcel@gmail.com](mailto:quirijnen.marcel@gmail.com) - [Online resume](#) - [LinkedIn Profile](#) - [+1 870-676-8379](tel:+18706768379)

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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
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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](#) 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*

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## **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)
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- Code samples: <https://github.com/MarcelQuirijnen>