Marcel Quirijnen | Sr. Software Engineer Back-end / Full Stack

Yellville, AR 72687 USA

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SUMMARY - PROFILE

* Expertise :(Unix/Linux/Web) application development and workflow automation using today's open source LAMP stack and DevOps tools
* I have a can-do attitude and the ability to be hands on, mentor and work collaboratively and autonomously.
* I try to be solution oriented with team members, stakeholders, and other applicable team members by continuously creating value
* I am visible and available to team members who require support by understanding the tech and business requirements
* Self-motivated and continuously learning new technologies to find the best solutions for all aspects of the businesses needs
* Code samples :https://bitbucket.org/sugarcreek

Overall IT experience (mostly Unix/Linux, some MAC OS)	20 years
Technical Project Management/Team Lead	4 years
Unix system administration (SGI, HP, Sun, Linux)	8 years
Automation and monitoring (Nagois)	3 years
C (system) programming	12 years
Perl programming (incl. mod_perl)	16 years
MySQL, Oracle, PostgreSQL	12 years
PHP Programming (incl. Slim2 & Laravel5 frameworks)	12 years
Python programming (incl. Flask framework)	5 years
AJAX, JQuery, Vue, AngularJS	6 years
Git/Subversion	8 years
Ansible, Vagrant, Jenkins, Jira	2 years

WORK EXPERIENCE

01/2022 – current: Vasion – former PrinterLogic, Saint George, UT
Sr. Software Engineer – MWP Team (Full time, 100% remote)
Responsibilities:
Work closely with product owners, engineers, designers, and QA to deliver industry-leading cloud-based printing solutions in a fast paced environment.
Contribute to the creation of functional and technical specifications.
Assisting with technical design, task estimation, implementation, automated testing, debugging and deployment.
Implement major features and components from requirements and design specs.
Contribute in the ongoing effort to improve software design and coding best practices.
Promote established standards, processes, procedures, and tools throughout the software development life cycle.
Analyze system functional and performance requirements to support design architectures.
Flexible and able to learn new languages and technologies quickly.
Used skills and tools:
PHP, React, Golang, MySQL, Stored Procedures, Docker, Laravel, IdP, Redis, Jira, Confluence
Github & Bitbucket
Platforms:
Windows, Linux, MAC OSX, AWS, Azure

01/2021 – 09/2021: Federal Reserve Bank of St.Louis, MO
Sr. Web Developer – Research Web Group Division – FRED Team (Full time, 100% remote, left position due to coerced covid policies)
Responsibilities:
As a member of the FRED-Team, maintain, improve and secure the FRED-familty of websites related to economics data (https://fred.stlouisfed.org)

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Used skills and tools:
  PHP, JQuery, Git, Gitlab CI, PostgreSQL, Docker, ElasticSearch, Codeception, AWS
Platforms:
  Windows 10, Red Hat 7 Enterprise, MAC OSX
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04/2019 – 11/2020: Wells Fargo Network Security – Charleston, SC

(Perl)Web Developer V / ESPA Team Lead (Contract-2-hire, 100% remote, left position due to coerced move to SC)

Responsibilities:
  Develop web-based endpoint security solutions focused on network authentication protocol 802.1x using tools like Perl, AngularJS, ROSE ORM, Jira and rpmbuild

Used skills and tools:
  Perl, ROSE ORM, AngularJS, JSON, JQuery, SubVersion, MySQL, ActiveMQ, IBM MQSeries, Jenkins, uDeploy, Jira, Crucible, Confluence, rpmbuild and Nagios
Platforms:
  Windows 10, Red Hat 7 Enterprise

03/2018 – 03/2019: PAM Transport – Tontitown, AR

Full Stack Web Developer (Full time, on-site)

Responsibilities :
  Develop web-based tools to support the transportation industry with their training requirements, scheduling needs and carrier and load brokerage services.

Accomplishments :
  * Created a daily 'Power Only' Load Board, showing available loads per state, send out to subscribed carriers using the Elastic Email API, datamaps and VueJS

Used skills and tools :
  PHP, Laravel5, Vue2.js, Yarn, Webpack, JSON, JQuery, NginX, GitLab, DB2, MySQL, VirtualBox, Vagrant, Jenkins
Platforms :
  Windows 7 Pro, Ubuntu Linux, VirtualBox Linux dev environment, AS400

08/2017 – 02/2018: Educational months – DevOps Staq, LLC – Yellville, AR

Self education

Responsibilities :
  Took a 6 months sabbatical to re-educate/update my skillset on the complete DevOps & Deployment Technologies stack, as well as NodeJS, Python and Flask.
  Worked with Jenkins, Ansible, Docker and AWS CLI, CodeDeploy and CodePipeline.

Learning projects (bitbucket repo):
        - Collect project ideas :RESTfull services using NodeJS and MongoDB
        - Creating an item store :RESTfull API using Flask, FlaskRestful and SQLAlchemy
        - Python solution to a Chess problem, including module tests
        - Java implementation to handle large data query results (50+ million records),
          including code testing and Jenkins CI/CD automation.
        - Ansible playbooks

03/2016 – 07/2017: Optanix, Inc., Syracuse, NY

Sr. Developer – DevTools and Automation (1099 contract, 100% remote)

Responsibilities :
  As a member of the Rapid Innovation Team, I contributed to the further development of the Optanix SAAS platform using today's LAMP stack of tools and virtualization technologies.
  As a SSE I assisted the PM with picking next sprint objectives for Perl back-end tasks
  Acted as the PM backup for daily standup meetings (Agile PM)
  Contributed to the initial development of an HTTP Poller endpoint service using Tornado asynchronous python framework, together with RabbitMQ as its messaging system.

Accomplishments :
  * *Improvement and extension of HealthCheck Indicators for network appliances for a variety of Fortune 500 customers.*
  * *Automated builds of Ubuntu installation packages using Jenkins*
  * *Had a Perl mentoring role and provided a webex talk on Perl best practices.*
  * *Ported Perl network library modules to Ruby Gems.*

Used skills and tools :
  Python 3, Perl, PHP, Ruby on Rails, C, shell scripts, Yii PHP Framework, Jquery, Apache, Git, ZeroMQ, VirtualBox, Docker, Jenkins, SonarQube, JIRA
Platforms :

Ubuntu Linux

01/2015 – 10/2015: *JMA Information Technology, Overland Park, KS*
  PHP Back-end Developer (1099 contract, 100% remote)
Responsibilities :
  Contributing to the creation of a network data portal for Verizon.
        - Created User Management system, complete with Role assignment, password management
          and activation/confirmation emails
        - Creation of a network validation script that checks for network configuration
          issues like overlapping subnets, conflicting IP's and unreachable subnets.
Accomplishments :
  * Have the data application go live on time and on budget after a major setback.
  * Proof of compliancy with Verizon's Network Security Design Guidelines
  * Setting up a RedHat failover architecture with load balancing and email services
Used skills and tools :
  PHP, Twig, Slim PHP framework, AngularJS, Apache, Git/BitBucket, Nginx,
  Agile development, MySQL with master/slave replication, shell scripting
Platforms :
  Redhat Linux in VMWare environment

05/2011 – 12/2014: *Arkansas Blue Cross & Blue Shield, Little Rock, AR*
  PHP Back-end Web Developer (Full time, 80% remote)
Responsibilities :
  Development a Paperless Workflow & Electronic Routing System in a PHP Linux environment.
  The web-based application enhances the processing of healthcare claims in AR, LA, MS,
  NM, RI, OK and MO and ties in to various enterprise technologies (Microsoft .net
  services, IBM Mainframe, proprietary claims applications).
  Required understanding of HIPAA regulations and how it impacts applications and data
Accomplishments :
  * Implemented web based claims processing services using XML and WSDL documents using SOAP
    protocol to communicate with mainframe and MS-based systems.
Used skills and tools :
  PHP, MySQL, Apache, SSL, JQuery, WSDL, SOAP, XML, JSON, Subversion(SVN), Zend Guard and
  bash shell scripting
Platforms :
  AIX Unix, Redhat Linux

10/2008 – 05/2011: *The Daily Record, Inc., Little Rock, AR*
  Sr. Open Technology Engineer (Full time)
Responsibilities :
  * Setup and maintain Linux based servers used as backbone systems for newspaper data
  * Setup in-house hosting of mail server using Bind9/tinyDNS, Postfix, Dovecot, MySQL,
    Horde groupware/webmail and staying current with whitelists and blacklists filters
  * Virtualized servers with VirtualBox and/or VMware ESXi using OpenFiler
  * Upgrade current web applications to be Web 2.0 look & feel using CodeIgniter, Ajax
    and XML output formats for Adobe publishing software.
  * Monitoring DMZ servers using MRTG, Snort IDS and AWstats reporting
  * Setup contingency plan with daily offsite data updates
Accomplishments :
  * 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
Used skills and tools :
  PHP, C, CodeIgnitor MVC Framework, MySQL, Apache, Ajax using Dojo/YUI/DhtmlXSuite,
  XML, Perl and shell scripting, C, Postfix, Dovecot, Horde groupware, SpamAssassin,
  MRTG, Nagios & Cacti, VirtualBox, ESXi, Bind9, OpenFiler, RAID disks
Platforms :
  Debian Linux, MAC OS X

07/2006 – 04/2008: *ValueClick Media, Santa Barbara, CA*
  Perl Software Engineer (Full time)
Responsibilities :
  Developing web tools to connect advertisers and publishers and assist
  them to improve their internet advertising targets.
Accomplishment :

Created tools to enable video advertising. First in the US.
Used skills and tools :
  Perl, mod_perl, MySQL, Apache, Mason, Catalyst, DBIx::Class, Perforce
Platforms :
  Linux (CentOS, Redhat)

05/2005 – 07/2006: Vonage, Holmdel, NJ
  Call Processing/VOIP Engineer (Pre-IPO, full time)
Responsibilities :
  Develop a set of tools (Perl + Expect, PHP, shell) to support production monitoring and
  call processing.
Used skills and tools :
   SSH, SSL, Perl, Expect, MySQL, SIP, Shell scripting, PHP, C, Nagios & Cacti
Platforms :
   Redhat Linux, CentOS Linux
Accomplishments :
   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.

02/2004 – 04/2005: Exxon Mobil Research & Engineering, Clinton, NJ
  Unix/Linux System Administration & Scientific Application Support (W2 contract)
Responsibilities :
  * Unix/Linux System Configuration & Administration
  * Setup & maintain a Linux Beowolf Cluster with 58 nodes running PBS queuing
    system, 4 nodes with graphic capabilities
  * Install, Upgrade, Patch Unix/Linux systems through makefiles, yum and rpm
  * Configure non-modular kernels from scratch
  * Install & Config Scientific Applications (Matlab, Star-cd, NMR,...)
  * Develop & maintain Unix automation scripts (Perl, Python, sh, bash, C)
Used skills and tools :
  SSH, SSL, Perl, Python, C/C++, R, Tk, Yum, rpmbuild, PowerBroker, Remedy
  ticketing, Shell scripting, Apache2, Tomcat5, XWin32, Exceed, Arkeia backup,
  Veritas Netbackup
Platforms :
  RedHat Linux 7/9/Enterprise, SGI, HP, AIX, SUN Solaris, SUN OS, WinNT

EDUCATION

MS Computer Sciences, LUC university Belgium
BS Information Technology & Programming, HORITO College Belgium
BS Industrial/Power Electronics, HORITO College Belgium

Independent courses (I can't say No to free/cheap education):
      Business Innovation   (University of Maryland)
      Interactive Programming in Python   (Rice University)
      Startup Engineering   (Stanford University)
      Project Management   (Udemy, prepping for PMP exam)
      Computing for Data Analysis (R)   (Bloomberg School of Public Health)
      AWS certified developer   (Linux Academy, NOT certified)
      Coding for Entrepreneurs (Django)   (Udemy)
On and off working on :
      The Complete DevOps & Deployment Technologies Bundle
      Automation with AWS
      Spanish language