Matt Janssen
Senior Full-stack Engineer

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3033 Portland Ave
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...Expertise...

- Comprehensive knowledge of project leadership, from requirements gathering and scoping to team management, implementation, testing, and support.
- Diverse experience in leading development teams locally and abroad.
- Excellence in growing environments with new ideas.

Core Proficiencies

∞ PHP ∞ Symfony/MVC ∞ Angular ∞ OOP Patterns ∞ SOLID Principles

Day-to-day Technologies

∞ CSS3/HTML ∞ RESTful APIs ∞ MySQL/RDB ∞ Doctrine ORM ∞ Git

Other Expertise

∞ Docker ∞ Kubernetes ∞ GitLab CI ∞ Microservices ∞ JIRA/Agile
∞ React ∞ Amazon AWS ∞ Key/Value ∞ PSR Standards ∞ RabbitMQ

...Education..

Luther College   May 2004
Bachelor of Arts degree in Management Information Systems

...Experience ....

Senior Full-stack Engineer.   2016 – Present
When I Work, Minneapolis, Minnesota @ www.wheniwork.com

- Developed reusable internal libraries and SDKs. Expanded DRY practices.
- Roadmapped the transition from legacy monolith code to microservices, while continuing to ship new features.
- Worked with mobile and frontend teams to create API specs that are powerful, yet enjoyable to implement and consume.
- Lead efforts to deploy PHP microservices using Kubernetes and GitLab CI.
- Collaborated with product, UX, and design to quickly move ideas into reality.

Technologies: PHP 7, Symfony 4, React, Bootstrap, Swagger, Docker, Kubernetes, PHPUnit, Behat, Amazon AWS (EC2, RDB, SQS, Dynamo), API Testing.

Lead PHP Engineer.   2012 – Dec 2016
The Nerdery, Minneapolis, Minnesota @ www.nerdery.com

- Pioneered the development team's transition to the Symfony framework.
- Developed and standardized best practices for project spin-ups, library usage, development environments and automated deployments.
- Mentored teammates in estimating, scoping, developing and leadership.
- Engineered scalable, HA environments for a high-traffic website with complex persistence layers.

Technologies: PHP, Angular, Symfony2, PHPUnit, Composer, Doctrine, MongoDB, Redis, Elasicsearch, Jenkins, Chef, Jira Agile.

Gap Year, Volunteer Teaching.   2011 - 2012
Bukoba, Tanzania. And beyond.

- Taught computer basics to middle and high school students. Lead adult classes on WordPress editing.
- Established an Internet-facing WordPress server to host local websites.
- Setup Internet connectivity in the classroom using Untangle firewall software.
- Enjoyed a once (maybe twice) in-a-lifetime journey around the world.

Technologies: Linux, WordPress, Untangle, Ubiquiti airMAX, hitch-hiking.

Lead Magento Developer.   2009 – 2011
Luggage Pros, Minnetonka, Minnesota @ www.luggagepros.com

- Harnessed Amazon EC2 to create horizontally-scaling warm backups for the Magento site. Dealt with MySQL scale-out replication and Magento's read-only database logic.
- Using memcached object and APC opcode caches, optimized Magento to achieve 100-item list-page loads in under one second.
- Developed a layered navigation module allowing for subcategories to exist under multiple primary categories. Integrated with the rewrite system to produce SEO-friendly URLs.
- Created a new Magento SOAP API to better handle 12,000 product, customer, order and image data from an in-house Flex ERP system.
- Designed an industry-leading HTML front-end for creating customized product. Translated on-screen JavaScript coordinate data into PHP::ImageMagick to produce print-ready images from any platform/browser @ www.myflytag.com

Technologies: Magento, Amazon EC2, PayPal, USPS, Auth.net and Google APIs, Constant Contact, APC/eAccelerator, memcached, Adobe Flex, jQuery, SEO.

Network, Server Consultant.   2008 – Ongoing
Camp Ewalu, Strawberry Point, Iowa.

- Rebuilt the outdated Ethernet network. Programmed routers for added security and stability. Added firewall and gateway rules. VoIP issues were solved with packet shaping.
- Installed local Ubuntu file servers with encrypted, automated USB and cloud backups using Perl and Python scripting.

Technologies: Ubuntu, Cron jobs, Samba, Perl, Python, Rsync, Packet shaping.

Technology Analyst.   2007 - 2008
Papier D'Art English School, Osaka, Japan.

- Advised on technology solutions for a start-up business. Taking into account budget and needs, recommended specific Adobe and Microsoft suites. Trained Japanese employees on the new software.
- Mapped potential sales using a custom overlay for Google Maps API. Used jQuery's AJAX to connect user interactions to a MySQL backend.

Technologies: Google Maps API, CMYK color pallets, Shift_JIS (Asian) character encoding, PHP, MySQL, JavaScript, jQuery, AJAX.

Server Migration, Contract Consultant.   2005
Precise Products Manufacturing, Minneapolis.

- Hired to troubleshoot SQL Server database migration. Contacted software developer for upgrade procedures. Hardware and software dependency issues needed to be resolved. Re-linked Access frontends to new database.
- Reorganized backup procedures from their Novell server. Upgraded the ARCserve software and HP tape backup firmware.

Technologies: Novell, Windows Server 2003, SQL Server, Access, JobBOSS, ARCserve, Tape Backup.

Internet Streaming Project Manager.   2004
KWLC Radio, Decorah, Iowa.

- Coordinated between business managers and the programming team. Conducted feasibility studies on various audio-streaming options. Drew up timeline and budget expectations for chosen design.
- Directed Linux hardware and software engineers. Produced progress reports. Oversaw documentation. Used Perl scripting to parse server log files into HTML, displaying listener trends over time, including GEO IP lookup.
- Organized load tests using both LAN and WAN connections. Monitored server and network loads using vmstat and Cacti. Located and fixed problematic firewall rules in an upstream router.

Technologies: FreeBSD, Shoutcast, RealMedia Server, Perl, HTML, Vmstat, Cacti.

...Activities ....

Open source development, non-profit consulting, theater performance, backcountry camping, armature photography, self-directed study, mentorship. And travel.