Joseph Hallenbeck

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Work Experience

Software Engineer, Research Square, Durham, NC   1/2015 — 11/2018
- Supported legacy software and new feature development of an enterprise Zend Framework PHP application responsible for directing workflows and task assignment for a team of 300+ remote editors and translators
- Spearheaded project to migrate 500,000 invoices from an internally built accounting suite to ZohoBooks or QuickBooks. Evaluated potential external accounting suites for suitability. Maintained record integrity of new transactions while actively migrating existing records.
- Refactored a 1.4 million loc monolithic PHP application into smaller business contexts through the application of Domain Driven Design principles. Contexts used AWS SNS/SQS queues to communicate domain events between services in a hexagonal architecture.
- 100% remote team; used a scrum-based methodology for project management, unit testing, code reviews, and pairing to maintain team cohesion and project success

Owner, Software Engineer, Kynda Consulting LLC.   9/2015 — Present
- Analyzed client needs and developed WordPress themes to match corporate branding and marketing specifications.

Developer, 44Interactive, Sioux Falls, SD   1/2013 — 12/2014
- Developed a bespoke e-commerce platform using Laraval that supported inventory management, shopping carts, and credit card transactions through Authorize.net. Clients included local golf courses and country clubs who used our cart to process annual club memberships and tee-times.
- Completed the front-end development of and launched over 80 client websites. Front-end work included vanilla Javascript development of HTML5 drawing tools, interacting with API back-ends, and interfacing with Facebook, Google, and Cakemail APIs.
- Increased production system up-time from 97% to 99.99% on a server that saw 50k+ unique visitors per day and reduced server costs by 50%

Developer, Gage E-Services, Sioux Falls, SD   7/2011 — 1/2013
- Developed Joomla, WordPress, and Lemonstand websites for a variety of clients
- Translated client needs into technical specifications

Lead Park Ranger, Jewel Cave National Monument, Custer, SD   5/2008 – 9/2011
- Mentored new rangers and assisted with training and performance evaluations.
- Edited, wrote, and designed layouts for full-color activity booklets, annual newspapers, advertisements, trail maps, press releases, public correspondence, newsletters, e-mails, and reports.

Skills	Languages:	PHP, Javascript (ES6), SQL, Shell, Python
	Front-End:	HTML5, CSS & CSS pre-processors (Sass, Less), Some LaTeX
	Frameworks:	Zend Framework 1 & 2/3, Slim, CodeIgniter, Laraval4, Silex
	Content Management:	WordPress, Jekyll, Joomla 1, Lemonstand v1
	Common APIs:	Quickbooks API, ZohoBooks API, Google Maps API, Authorize.Net API, Paypal REST API, Elastic Search
	Message Queues:	AWS SNS & SQS Queues, Beanstalk
	Operations:	Linux (CENTOS, Ubuntu), Docker, Ansible, NGINX and Apache HTTP server administration, MySQL/MariaDB databases
	Software:	Adobe CS Suite, VIM, Git version control
	Concepts:	Behavioral Driven Development, Domain Driven Design, microservice architectures, strong grasp of object orientated programming, database design, and design patterns
	Soft Skills:	Excellent technical communication skills, familiarity with graphic design and UI/UX, familiarity with common software development methodologies (Agile, Scrum, etc.), git-flow, pair programming, code reviews and continuous integration

Education

Real Time Interactive Simulation, DigiPen Institute of Technology, Bellevue, WA
Courses Taken: Linear Algebra, Calculus I, Computer Environment I & II, Operating Systems I, C Programming Language, C++ Programming Language

B.A. Philosophy and English, Augustana College, Sioux Falls, SD, 2009

Honors

Graduated Magna Cum Laude
Dean's List, all semesters
Sigma Tau Delta Literary Honors Society
Visiting Scholar Seat, Harris-Manchester College, University of Oxford
Eagle Scout