

Derek Binkley

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SOFTWARE ENGINEER

Building, designing, and testing web sites and services for over 20 years using Java, Groovy, PHP, JavaScript and SQL. Speaking internationally at tech conferences and writing for tech journals.

Key skills include:

- Ecommerce - UGC collection, PCI DSS
 - JVM - Java, Spring Boot, Groovy
 - Spring Boot, Grails, Liquibase
 - Project management and requirements gathering using Agile methods
 - Accessibility - WCAG, Section 508
 - Data - MySQL, Oracle, Elasticsearch, Hibernate
 - Virtualization - Docker, Vagrant, AWS
 - PHP - Laravel, CodeIgniter, SilverStripe
 - JavaScript / TypeScript - Angular 2+, VueJS, KnockoutJS, jQuery
 - Mentoring and teaching
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PROFESSIONAL EXPERIENCE

TurnTo Networks, *Remote*

SR SOFTWARE ENGINEER (January 2018 – Present)

- Developing software to support user generated content, e.g. rating and reviews, using Java, Groovy, SQL, Spring Boot, Grails, Angular, MySQL and Elasticsearch.
- Developed a system of tools that allowed non-technical employees to analyze incoming data files and merge with existing data sets, allowing the company to speed up the onboarding process and support larger customers.

National Conference of Bar Examiners, *Madison, WI*

LEAD DEVELOPER/ANALYST (July 2015 – January 2018) + **SR DEVELOPER/ANALYST** (January 2005 – July 2015) + **DEVELOPER/ANALYST** (October 2000 – January 2005)

- Created software and websites using Java, PHP, Html, CSS, JavaScript and numerous frameworks and other tools.
- Created secure QA and production environments in AWS using EC2, Elastic Beanstalk, S3, etc.
- Served as data architect and DBA for MySQL.
- Served as data architect and DBA for Oracle RDBMS.
- Introduced Agile project management and lead transition from waterfall methodology.
- Managed project portfolio of over 50 projects.
- Developed system to allow users with disabilities to take a high stakes and secure exam.
- Designed and built server environment for intranet and internet applications and oversaw its maintenance.
- Gathered and prioritized requirements and oversaw QA of all projects.
- Setup and managed system of peer code reviews.

CustomCall Data Systems, *Madison, WI*
PROGRAMMER/ANALYST (May 1999 – October 2000)

SPR, Inc., *Wisconsin*
TECHNICAL CONSULTANT (September 1998 – May 1999)

EDUCATION & ACTIVITIES

CARLETON COLLEGE, Northfield, MN
Bachelor of Arts (Major: Mathematics), June 1998

CONFERENCE SPEAKER (Fall 2016 - Present)

- *Taming Your Data with Elasticsearch*
Day Camp 4 Developers - May 2019, Nomad PHP - Apr, 2019, PHPBenelux - Jan. 2019, php[world] Nov. 2018
- *What raising 3 kids taught me about working with users*
DevFestWi - Sep. 2019, PHPBenelux - Jan. 2019, Dutch PHP - June 2018, Madison PHP - Sep. 2017
- *Browser Automation Testing with Headless Chrome*
Dutch PHP - June 2018, That Conference - Aug. 2018
- *Five Things All Developers Should Know About Databases*
Chippewa Valley Code Camp - Oct. 2017
- *Modern JavaScript for PHP Developers*
Dutch PHP - June 2018, Midwest PHP - Mar. 2017, Madison PHP - Oct. 2016

TECHNICAL WRITER (2017 - Present)

- "Add Location Based Searching to Your PHP App With Elasticsearch" *php[architect]* July 2019: 11-16
- "Map, Filter, and Reduce in PHP" *php[architect]* June 2019: 16-20
- "Hands on with Accessibility" *php[architect]* March 2018: 22-26
- "Modern JavaScript: Moving Beyond jQuery" *php[architect]* July 2017: 16-21