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# KEVIN HORNSCHEMEIER

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## Senior Staff Engineer at Western Digital

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### Work History

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Jan 2015 - Present

#### Senior Staff Engineer

##### *Western Digital*

I work on the cloud engineering team as a senior lead building out our cloud architecture to support client applications for our NAS and DAS devices. I have learned AWS Lambda with Node.js and DynamoDB to help scale our sharing API endpoints, and have helped push our automated testing forward. Our stack is in AWS Lambda, Node.js, and DynamoDB, and I have worked with Python in supporting some automation of AWS API Gateway and Lambda.

I participated in a 4-day hackathon where my team came up with the idea of doing video transcoding by distributing the transcoding load on network-connected devices, since our NAS devices are underpowered to do the transcoding themselves. I chose to use Python, with only cursory knowledge of the language, and created an OSX taskbar service to retrieve a new file for transcoding from the device, start the transcoding, and send the transcoded files back to the device. Our demo went extremely well and our hack was well-received.

I worked on a small, 3-developer agile team creating the photos experience for WD NAS devices. I created the backend code for the site (PHP), our own REST services for the mobile apps to call, and communicating with the REST api on the device to store and retrieve photos. I also contributed to the front-end user interface code (Javascript, Sass, HTML5). This was a new product built on legacy code being updated to work on the NAS devices.

Technologies included: PHP, Python, Javascript, Node.js, Sass, HTML5, Git, and responsive design.

May 2014 - Jan 2015

#### Senior Software Engineer

##### *AlloyFX*

I oversaw all technology needs in a fast-paced environment in a multitude of disciplines. I created and maintained the company web site at alloyfx.com, explored game and cross-device app development in Unity3D with C# and Javascript, and created cross-platform and cross-device e-learning games for clients using the latest web technologies-HTML5, CSS3, and Javascript.

Dec 2012 - May 2014

#### Senior Web Application Developer

##### *LamsonEnia Design*

I managed all aspects of the technical stack for a design and marketing agency. I maintained existing clients' sites, built new sites, and managed a small team of developers for a large interactive children's web site. I also managed project requirements, estimates, deadlines, and budget for a few projects at a time.

I helped develop and execute SEO strategy and online marketing campaigns for clients, and I setup and reported on site analytics and testing.

Technologies used included PHP, MySQL, HTML, CSS, LESS, Javascript, jQuery, Codeigniter, Apache, Linux, Git, Responsive Design, Mobile Web, Wordpress, Flash and Actionscript, SEO, Analytics, keyword generation, UX, and user acceptance testing.

Jan 2012 - Dec 2012

#### Senior Web Developer

##### *Tellus*

A design and marketing agency where I led the development and the user testing groups. I managed existing client sites, built new sites, and led our QA and e-commerce initiatives. I also helped develop online marketing campaigns, strategy, SEO strategy, A/B testing, and analytics reports.

Technologies used included PHP, MySQL, HTML, CSS, LESS, Javascript, jQuery, jQueryUI, Codeigniter, Apache, Linux, Joomla, SEO, Analytics, keyword generation, A/B testing, UX, user acceptance testing, C#, .NET, Sql Server, and IIS.

Jan 2011 - Jan 2012

CTO

*Venturepax.com*

A startup in Cincinnati originally intended as a resource for people to find outdoor activities based on their location and the activity they wanted to do. I was hired on as the CTO and co-founder after the site had been established from multiple outsourced teams over the course of a few years. I also developed SEO strategy, local search strategies, marketing efforts, social media campaigns, and contests.

One challenge was to quickly get up to speed on a very large legacy codebase so I would be able to fix existing bugs, maintain the site, and add new features. I also managed an outsourced mobile app developer while creating a REST API for them to consume. After the decision was made to redesign the site and the user experience with gamification, I took over the architecture and planning for the new technology stack. I rebuilt the entire site myself with an aim at maintainability, standards, and documentation.

Another challenge was creating a new database schema and writing the scripts to convert the old user data over to the new schema. I also used the Codeigniter MVC framework to better structure the code, rewrote the API, and created an admin section for easy viewing and editing of users, their data, and site-wide data. Funding ran out and I had to leave.

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## Education

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2004 - 2006

B.S. CIS, Computer Science

*Nova Southeastern University*

Graduated with 3.8 GPA

2000 - 2004

Transferred

*University of Cincinnati*

Held 3.77 GPA in Computer Science in Engineering