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## Technology and Education Summary

- **Summary:** Extensive full-stack web application development experience spanning a decade and multiple platforms.
- **Client-side:** JavaScript (ES5/6/7), jQuery, jQuery UI, Bootstrap, Ajax, React, Polymer, JSON, HTML5, CSS3, SASS XML/XSLT/XPath. Some experience with Angular.
- **Server-side:** Vanilla PHP along with various ORM's. Most extensive experience with NodeJS using largely SailsJS, Mongoose, Express and Waterline. Built asset pipelines using Grunt, Gulp, JSPM and Babel. Classic ASP with VBScript.
- **Database:** SQL, Sybase SQL Anywhere, MySQL and PostgreSQL. Some experience with MS SQL Server. Deployed multiple MongoDB applications to production. Experience in relational database architecture, administration and performance profiling.
- **Operations:** Linux system administration on production systems, primarily with Ubuntu Server edition. DevOps skills deploying entire database driven applications to Linux machines using Dokku.
- **Education:** Bachelor of Science, Computer Science and Engineering, with Honors and minor in Business Administration. The University of Toledo: December 2007.

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## Career Experience

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### General Electric - Digital Thread Hub Division

#### Van Buren Township, MI

Senior Front End Developer

*October 2016 - April 2017 (6 month contract)*

GE is working to build a large group of developer teams to build applications necessary for their company growth. When I started, many of the people around me had only been there a few weeks. We had to start from near nothing and begin building applications that had already been designed and funded.

- Worked on a large project for managing customer deals for GE's Aviation division.
- Assisted junior and mid level programmers in day-to-day programming challenges.
- Helped other teams begin their back-ends in NodeJS where experience was lacking.
- Worked with product owners using Scrum and Agile methodologies to manage product building.

### Root Inc.

#### Sylvania, OH

Senior Web Developer / Programmer

*July 2013 - October 2016*

When I started with Root, they were just beginning to transition from being a Flash house to becoming a full provider of web application solutions. I helped facilitate this transition, from obvious needs like having a version control system, to writing applications in entirely new frameworks and languages. Through this transition, we have gone from solely duplicating Flash training courses, to offering a growing full line of web application solutions to our clients (most of whom are in the Fortune 2000).

- Participated in team feedback and analysis of design and project management processes for client orders.
- Created from the ground-up, a web based training simulator using live web-socket streaming for real-time team training.
- Designed multiple asset pipelines using Grunt, Gulp and JSPM to facilitate development and deployment of production systems to our customers.
- Responsible for deployment, maintenance and performance of production applications on company leased servers and VM's utilizing Ubuntu Linux, Dokku and MongoDB.
- Introduced NodeJS and SailsJS as a platform that is now at the heart of multiple product lines and custom solutions.
- Began work on new company initiative product line with NodeJS back-end and an evolving React front-end.

**Midway Products Group Inc.****Monroe, MI**

Web Developer

*December 2010 - July 2013*

- Responsible for entire set of in-house web applications for a 1200 employee Tier-1 automotive part supplier.
- Planned and implemented large migration of all web applications to PHP5 from PHP4 covering thousands of lines of code without original developers.
- Petitioned for and implemented upgrade of servers from older Linux installs to newer Ubuntu Server releases requiring a re-organization of underlying software.
- Responsible for maintaining all production web servers and web database servers.
- Responded to user issues and implement fixes in real-time on production machines sometimes in unfamiliar database applications. Forced to adapt quickly to ensure users can perform their duties.
- Led a complete re-design of a major in-house reporting system to SQL Server Reporting Services and MS SQL Server.

**The TeamWork Group Inc.****Bellevue, WA (remote)**

Programmer

*August 2005 - November 2010 (Initially college co-op, full-time beginning January 2008)*

- Performed a large role in team to move the main Window's based software application to the web
- Created new database schema including tables and procedures as needed as well as enhance existing schema for performance improvements within a highly complex RDBMS mostly serving large clients in the petrochemical industry
- Created extensive client and server side web interfaces and in-house framework architectures for producing large data-driven web applications
- Interfaced with third-party database systems to fully integrate customer solutions
- Occasionally responsible for direct customer contact and resolution of customer issues, at times requiring contact with end users
- Placed in charge of seeking out and interviewing potential job candidates for co-op and full time positions on multiple occasions