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Josiah Burchard

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EDUCATION

Southeast Missouri State University, *Cape Girardeau, MO* 3.85/4.00
Bachelor of Science in Computer Science, Minor in Mathematics

PRIMARY TECHNICAL SKILLS

Front End Development: Angular, AngularJS, HTML5, CSS, Sass, JavaScript, Typescript, NPM, Webpack
Back End Development: Node, Express, Java, Spring, C#, ASP.NET, Ruby, Rails

PROFESSIONAL EXPERIENCE

Lead Front End Engineer, NexSpring Financial LLC, *Cape Girardeau, MO; Champaign, IL* *February 2017 - Present*
{Angular, Java, NativeScript, Solr, PostgreSQL}

- Created a scalable, maintainable web app complying with all standards from the mortgage industry
- Authored custom validation library to scale and share complex business rules across the stack
- Developed fully automated CMS to license out the platform under custom branding and preferences
- Created Android/iOS companion application to augment the web platform
- Managed internal training and investor promotional material through self-hosted video platform
- Recruited and trained teams in front end, back end, and dev ops

Lead Front End Engineer, Roomhere LLC, *Cape Girardeau, MO* *August 2016 – February 2017*
{Ruby On Rails, Angular}

- Engineered a fast, consumer friendly web application to connect renters with rental property
- Create and optimize a strong SEO presence

Undergraduate Researcher, University of Missouri, *Columbia, MO* *May 2016 – July 2016*
{C++, Network Simulator 3, Ruby on Rails, ReactJS, Java}

- Developed real time video communication through mesh networks on Google Glass
- Conducted field tests on the Panacea's Cloud mobile platform with Missouri Task Force I

Software Engineer, Vintage Software, *Cape Girardeau, MO* *October 2014 – May 2016*
{C#, ASP.NET, Angular, JQuery, NPM, Gulp, SQL}

- Full stack web development on EstateSales.NET
- Engineered a high congruency HTML email generation platform
- Executed a custom integrated content management system
- Optimized production code deployment systems

PUBLICATIONS

“Wireless Mesh Networking Protocol for Sustained Throughput in Edge Computing”

- IEEE International Conference on Computing, Networking and Communications, *January 2017*

“Real-Time Tracking of Mass Casualty Incident Markers in a Search and Rescue Training Simulation”

- Critical Care Medicine, *December 2016*