Mark Keele

https://keele.codes – mark@keele.codes – (931) 434-9560

Web application developer with five years of experience. Extensive knowledge in operating systems, computer networks, and secure computing. Comfortable actualizing projects from conception to deployment. Ability to communicate with clients and derive requirements.

Education

Master of Science in Computer Science – May 2016
School of Informatics and Computing, Indiana University – Bloomington, Indiana

Bachelor of Science in Computer Science – Dec. 2012
College of Basic and Applied Sciences, Middle Tennessee State University – Murfreesboro, Tennessee

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Work Experience

Research Assistant - Center for Research in Extreme Scale Technologies 08/2013 – 05/2015
Indiana University – Bloomington, Indiana

- Developed and deployed an asynchronous client/server application built on top of web sockets. Gave users the ability to inspect nodes on the network, submit network performance tests, and visualize the results.
- Integrated as a layer in an existing network instrumentation and measurement system. Application added topological visualizations and facilitated the tracking of node performance data.

Intern - Ruby on Rails Developer, Leadership Computing Facility 06/2012 – 07/2013
Oak Ridge National Laboratory – Oak Ridge, Tennessee

- Designed, developed, tested, and deployed a web application using the Ruby on Rails framework. Exposed to all layers of the modern web application stack. Application used internally to track resources and allocations of users and projects for the Supercomputers.
- Closely collaborated with mentor, database designer, system administrator, and key end users. Struck a balance between technical requirements and end user workflow. Continuous refactoring and regression testing were staple methodologies.

Technical Skills

- **Programming Languages**: Ruby, JavaScript, and C/C++
- **Web Development**: Ruby on Rails, NodeJS, AngularJS, Nginx, JSON, and HTML
- **Databases**: MySQL, PostgreSQL, and MongoDB
- **Operating System**: Server Admin, Performance Monitoring, and System Calls
- **Networking**: Packet Routing, TCP/IP, HTTP/S, and RESTful Web Services
- **Security**: Access Control, Process Isolation, Public-Key Infrastructure, and Buffer Overflow
- **Methodologies**: Git, Agile, Test-Driven Development, and Regression Testing