

JASON AUSTIN

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Profile

I am a senior PHP developer and project manager with over 10 years of web development experience. My focus is on improving myself as a developer through the participation in the global and local development community, exploration of new and innovative technologies, and execution of best practices including version control, testing, agile development and design patterns. My development focuses on quality and maintainable code, while also delivering intuitive and clean interfaces for end users. My passion lies in making the lives of my audience easier through high quality web applications, then participating in the open source movement by sharing the code I create.

Experience

Business & Technology Applications Analyst, NC State University

Raleigh NC: Feb. 2004 - Present

Senior PHP developer in a team of two full-time developers and three part-time student developers. My main responsibilities include web application development, determining project architecture, and management of our part-time developers. I am also responsible for the entire life-cycle of our applications; from requirements gathering to development to support after deployment. Our team utilizes open-source technologies including PHP, MySQL, and jQuery. Recent development projects include:

- A Zend Framework-based generic application framework, including authentication and authorization management, user management, navigation management, API access, central caching, custom fields and more. This application framework is used as a base for quick and consistent deployment for a number of centralized applications.
- A ticket and hardware tracking application which provides workflow for the on-campus computer repair center. The application interfaces with a central call tracking system, on-campus LDAP services, and other applications via API access.
- Authorization and access system that interfaces with the on-campus resident hall authentication system, Cisco's Clean Access (CCA). The application acts as a gatekeeper to control who has access from residence halls by managing block lists and interfacing with CCA's XML-based API, as well as Cisco's switch management tools. The system also provides a private XML/JSON API for tracking user's network access on campus.
- The NC State Mobile Web Framework, which drives <http://m.ncsu.edu>. The application provides a plugin-based interface for mini-applications to deliver mobile-friendly interfaces to a variety of different device types including iPhone, BlackBerry and flip phones.
- A web-based digital signage system, providing users on campus the ability to quickly deploy content on a variety of devices including computing labs and LCD displays.

I have also served in many advisory roles on campus through the following committees and organizations:

- NC State Web Developers Group - Organizer: Provide a community for the campus web developers (numbering near 300) to learn new techniques, discuss campus policy, and network. More information available at <http://ncsuwebdev.ning.com>
- Mobile Initiatives Committee - Chair: Responsible for the management of the University's mobile initiatives, including mobile web, management of the University's iOS developer license, location-based initiatives, and text-message based initiatives.
- State-COMM Web and Digital Communication Committee: Responsible for the web-based presence of the University, including web sites and social media. The committee maintains the University's branding guidelines and serves as an advisor to the the Chief Communications Officer.
- UNC CAUSE 2010 Conference: Program chair for a conference which brings IT educators together for the 16 UNC system universities. More information at <http://unccause.org/cause10>

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Senior Engineer and Partner, Destination Analytics

Raleigh NC: Jan. 2010 - Present

Responsible for creating and maintaining the Destination Analytics platform, used for providing near-real-time analytics for rental property managers. Based on PHP and MySQL, we utilize the Model-View-Controller implementation of Zend Framework to interface with a variety of services, including Authorize.net and Google's Visualization API.

President & CEO, AmberCube INC

Raleigh NC: Oct. 2008 - Present

Develop custom solutions for our clients, including working with Open-Source solutions like Wordpress, Drupal and Joomla. Responsible for the management of the company including project management, sales, and support.

Senior ResNet Technician, NC State University

Raleigh NC: Aug. 2001 - Feb. 2004

Provided networking support for students living the residence halls at NC State University, including virus removal, anti-virus installation and network infrastructure troubleshooting. Also trained and hired junior technicians. Created numerous troubleshooting applications in PHP to support our technicians and help desk.

Education

North Carolina State University, Raleigh NC

B.S. in Computer Science, 2003

Certifications and Awards

- PHP4 Zend Certified Engineer - Fall 2006
- PHP5 Zend Certified Engineer - Fall 2007
- Zend Framework Certified Engineer - Fall 2008
- Pathways Leadership Program - Spring 2009: Recognized for "Exemplary Leadership by Inspiring a Shared Vision" for work with NC State Web Developers group.
- Nominated for University Award for Excellence - 2009
- Nominated for Pride of the Wolfpack Award - 2010

Additional Professional Projects and Presentations

- Taught workshops to campus staff, faculty and students in 2007-2008 on "Object Oriented PHP5", "Design Patterns with PHP", "Tweeting for the University", and "Creating Applications with Zend Framework"
- Presented at ZendCon 2008 in San Jose on "Best Practices in the Real World"
- Presented at UNC CAUSE 2008 in Greensboro on "After the Project Project Management"
- Multiple presentations to the NC State Web Developers group, including "Delivering Web Services", "NC State Mobile Web", and "How to RSS Like a Ninja".
- Presented at BarCampRDU 2009 on "Giving and Receiving Feedback"
- Presented at the 2010 TEK-X PHP Conference in Chicago on "Lean Mean PHP Machine"
- Presented at the Triangle PHP User Group meet-up on "Zend Framework Components"
- Organizer for BarCampRDU 2010
- Member of the Triangle Web Design Group
- Licensed Contributor to Zend Framework