Nicholas Beach
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Professional Summary

Over 4 years experience in full stack web development. I focus on developing well architected web applications, utilizing modern front end frameworks, RESTful back ends, and responsive design. Some of the technologies I most commonly work with include JavaScript, Angular, Java, Spring, Bootstrap, and LESS. You can see some of the things I've worked on, and code I've written at nicholasbeach.com

Proficiencies

Angular, Apache, AWS S3, Balsamiq, Bootstrap 3, CSS3, ES6/ES2015, git, Grunt, Gulp, Hibernate, HTML5, IntelliJ, Jasmine, Java, JavaScript, Jenkins, JMockit, jQuery, Karma, LESS, Linux, Load Testing, Maven, Mockito, MySQL, Neoload, NodeJS, NPM, Oracle, PL/SQL, Solr, Spring, Spring Boot, SQL, SQL Server, SVN, Tomcat, Webpack

Employment

Everest Technologies   8/2012 - Present
Consultant

Worked as a software engineering consultant. Clients and projects listed below.

OH-TECH
Innovation Exchange

Was part of a team that developed the Innovation Exchange which is a data repository system that provides users with information about scientific/educational experts, and equipment available for loan from educational institutions. The system aggregates data from the public and private APIs of numerous educational institutions and other sources.

- Led the front end development. Supported other developers by providing education on Angular, and design guidance. Configured the front end build process and defined the front end architecture. Utilized Webpack, ES6/ES2015 (Babel), Angular, Bootstrap, LESS, and Karma/Jasmine. Integrated front end build process with Maven builds.

- Developed of backend RESTful services, PL/SQL procedures, and created/tuned text indexes. Utilized Oracle 12c for persistence, and git for version control.

- Developed Java 8/Spring Boot functionality to consume third party RESTful and SOAP services.

IQ Innovations LLC
iQity Learning Management System

Worked with IQ Innovations' team developing on the IQity learning management system and related products.

- Followed Agile development methodology. Participated in daily stand ups, iteration retrospectives, pair programming, code reviews, and utilized test driven development.

- Actively worked to improve developer productivity. Determined issues with and resolved Jasmine test suite reducing run time from 20 minutes to less than 2. Refactored content importation process reducing import times from 8 hours to less than 45 minutes. Cleaned up log spam and worked to improved logging.

- Developed and implemented strategy for adapting application to support changing database architecture from single server to replicated architecture.

- Developed functionality learning management system features in Java 6/7/8, Spring, Spring Boot, and Hibernate. Utilized Spring Batch, AWS S3, and AWS SQS. Developed Groovy scripts to import vendor learning content of various formats. Created SQL and Solr queries and modified schemas to meet changing requirements. Used multiple branch git workflow.

- Developed front end interfaces using Bootstrap, jQuery, Angular, and Webpack. Created wireframes for proposed interfaces. Strongly focused on reusable components, modularity, and unit testing.

PNC Bank
vCO Automation

Was part of a team that developed an application that interfaced with VMware vCenter Orchestrator to automate the creation of virtual machines.

- Worked with team to develop application from scratch on a tight 3 week timeline

- Led the front end development. Developed single page application (SPA) architecture. Utilized jQuery, Handlebars, and Bootstrap. Supported other developers by providing design advice and code review.

- Worked with .NET developers for define API and adhere to RESTful best practices. Interfaced front end with backend services. Used git for version control.

Abercrombie & Fitch
FiberUI

Worked with vendor systems department to develop an application for vendors to confirm the fiber content of garments.

- Developed front end unassisted. Created wireframes based on requirements. Leveraged Bootstrap customization via LESS to produce brand specific theming. Setup front end build process with Gulp, Bower, Karma, and LESS. Developed fully responsive front end using Angular, Bootstrap. Creating interactive charting with ChartJs. Wrote Jasmine unit tests. Integrated application integrated with existing vendor workflows and applications.

- Developed web services in Java 7 and Spring Boot. Wrote unit tests utilizing EasyMock. Integrated front end build process with Maven builds. Wrote SQL queries and developed DAO layer utilizing MyBatis. Utilized SVN for version control.

- Refactored an existing AngularJS application to implement Angular best practices and integrate into new Gulp build process.

Bravo Brio Restaurant Group
Online Ordering User Account *Administration Tool*

Developed an application to provide an interface for administrative staff to manage customer online ordering accounts and generate reports on order activity.

- Handled project unassisted. Worked with client to define requirements, created interface wireframes, developed functionality, and deployed application.

- Developed single page application front end utilizing Angular, Bootstrap, and HTML/CSS3. Integrated with the existing online ordering system, and SQL server database with a Java 7 and Spring based application.

- Developed unit tests utilizing Mockito and Jasmine.

Online Ordering System Maintenance
Bravo Brio Restaurant Group
Provided ongoing maintenance, and support for Bravo Brio Restaurant Group's online ordering system for Brio and Bravo restaurants.

- Tracked down and resolved issues encountered by customers in the Java 6/Spring based system. Handled store issues involving Micros POS systems integrations. Carried out deployments of application updates.

- Resolved continuous database growth issue. Debugged T-SQL stored procedures. Implemented a fix to halt database growth. Developed and executed plan to slowly decrease database size while maintaining system stability.

- Took part in developing mobile templates for online ordering using jQuery and iUI. Debugged and implemented fixes in Java 6 and T-SQL stored procedures

Everest Technologies
Employee Portal

Designed and developed the Everest employee portal application. The application provides users with news and announcements, allows them to manage their time sheets, attach files to time sheets, and update their personal information.

- Designed and wire framed fully responsive UI in Balsamiq. Developed component based front end with jQuery and Bootstrap ensuring full IE7+ compatibility. Used Photoshop to create site graphics.

- Setup Jenkins server for CI. Utilized git for version control.

- Developed RESTful API backend in PHP, and MySQL for persistence.

Everest Technologies
Administrative Portal

Took part in enhancements to the Everest administrative portal. The portal encompasses numerous administrative tasks including payroll, invoicing, and reporting.

- Implemented ORM to increase development speed, and add protection against SQL injection. Updating password hashing to bcrypt to increase password security.
- Refreshed existing UI styles. Added functionality by implementing Google Charts and jQuery UI components. Used SVN for version control.

- Re-factored MySQL schema to improve data integrity and speed by adding foreign keys, indexes, and modifying table structure. Design and implemented additions to MySQL schema to allow for new functionality

- Developed SQL queries for payroll, invoicing, and financial reports

Ohio Board of Reagents
Enrollment Tracking System

Contributed to the rebuild of a enrollment reporting system previously implemented with classic ASP and SQL Server to Oracle APEX and 11g.

- Migrated SQL server schema to Oracle 11g. Refactored schema design to improve data integrity, consistency, and support new functionality.

- Developed PL/SQL stored procedures. Utilized PL/PDF library for report generation.

- Migrated Crystal Reports to new application, and developed new reports. Tuned queries to enhance reporting generation speed.

- Assured OH-TECH requirements for security and storage of personally identifiable information were met or exceeded.

Northup Grumman Information Systems
Neoload Training

Conducted training in the load testing tool NeoLoad and load testing best practices. Advised on test script construction to assure realistic load generation. Proposed load testing/driving environment configurations. Created load testing scripts for web applications and SOAP services.

Various Clients
Load Testing

Created Neoload scripts to simulate load on web, point of sale, and order management applications, configured generation environments, executed tests, and provided analysis of test results. Clients include Abercrombie & Fitch, Charming Shoppes, City of Columbus, and The Treasurer of Ohio.

Ascena Retail Group
Corporate Intranet CMS'

Developed new corporate intranet sites for Ascena Retail Group and their Justice and Dressbarn brands. Worked with stakeholders to define requirements. Implemented Photoshop mockups in HTML/CSS. Created graphics in photoshop. Created custom WordPress theme, templates, and plugins. Migrated existing CMS data.

Education

Bowling Green State University, Bowling Green, Ohio
BA, Computer Science, 2011