Zack Low

(860) 469-5699 | lowzack@gmail.com | https://www.linkedin.com/in/lowzack/

Skills

Languages	JavaScript/ES6+, HTML, CSS, Java, PHP, MySQL
Tools/Technologies	Backbone.js, Marionette.js, Node.js, Webpack, Jasmine, Git, NPM, Jenkins, Spring Boot, Bootstrap, jQuery, REST

Experience

Constant Contact
Waltham, MA

Software Engineer   July 2016 – Present

- Collaborate in an Agile (Scrum) environment to enhance and maintain the front-end of a customer-facing WYSIWYG email editor using Backbone/Marionette, Mustache, SASS, JavaScript, and CoffeeScript.
- Architect and develop a new company wide front-end project structure using a generator pattern to modernize technologies, correct dependency management issues, and alleviate technical debt concerns utilizing Yeoman, Grunt, Webpack, Babel, Karma, ESLint, and numerous other front-end technologies.
- Aided in the development and architecture of a feature involving multiple microservices, enabling customers to A/B test their email marketing campaigns. Key technologies were Backbone/Marionette, Java 8, Spring Boot, Quartz, and MySQL.
- Monitor live production data and errors from both frontend and backend applications to track down critical bugs and performance issues to reduce and control the volume of support calls. Use Splunk for log search and monitoring and NewRelic for live error and performance monitoring.
- Developed a service to validate Swagger API documentation against the company's REST API standards using Java, Spring Boot, and Docker. This allowed teams to verify compliance so that internal services could be easily integrated into the company's public API.
- Work alongside QEs to manually test features, write automated test suites using Protractor, and develop best practices for testing modular JavaScript libraries and applications.
- Mentor and train new graduate engineers and interns in programming methodologies, web application best practices, and Scrum processes.

Information Technology & Services @ RIT
Rochester, NY

Web Application Developer   August 2015 – June 2016

- Refactored an internal ticketing and asset tracking system, moving all backend code to a REST service in PHP and MySQL, and all frontend code into a SPA using Backbone.js. This allowed new features to be developed quicker and easier, using current web technologies and best practices.
- Designed and developed a full-stack web application using jQuery, PHP, and MySQL to track and audit the training of IT service technicians, provide crucial reporting to upper management, and identify deficiencies in the process. This system was also rolled out to additional departments to facilitate the training of their employees.
- Created a training program for additional developers to learn the languages and technologies behind the departments' web applications to allow future development and to reduce technical debt over time.

1stdibs.com
New York, NY

Front-End Engineer Intern   June 2015 – August 2015

- Developed critical front-end elements and functionality of a large feature overhaul, providing updated UI and functionality around eCommerce item management using HTML, SASS, JavaScript, Backbone.js, and Express.js.

- Enhanced dynamic documentation of an internal frontend library to provide additional information and improved usability using React.
- Created Python scripts to dynamically control Jenkins jobs and plugins to ensure code coverage on development branches did not drop below the code coverage on release branches.
- Constructed specialized Node.js scripts to check for inconsistencies in data across Apache Solr nodes.

Education

Rochester Institute of Technology, Rochester NY
Bachelor of Science in Information Technology, May 2016
Concentrations: Web Development, Mobile Development
Honors: Dean's List Spring 2014 - Spring 2016