

# John Buffington

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## Education

Bachelor of Science in Software Engineering  
Mississippi State University – Starkville, MS – May 2017

## Skills

*Proficient:* REST API design, microservices architecture, Domain-Driven Design, HTML5, CSS3, JavaScript/TypeScript, Node.js, Angular, Tailwind CSS, React, Git, MySQL, MongoDB, Docker, Python 3, PHP, Wordpress, UI design, responsive web design, WCAG 2.0 compliance, Azure DevOps

*Familiar:* Java, Java EE, Spring Boot, C/C++, Design Patterns, Kubernetes, TDD, Camunda, Kafka, GCP

## Experience

PricewaterhouseCoopers (PwC) Tampa, FL October 2018 – February 2024

### Full Stack Developer (MEAN stack), Development Lead

- Coordinated with stakeholders to design and implement application features. Used the MEAN stack, MySQL, Docker, Kubernetes, Domain-Driven Design, microservices architecture and feature flagging.
- Refactored error handling and logging, resulting in improved bug resolution time by over 100%.
- Established and enforced usage of coding standards, code reviews, and Gitflow branching model.

### Technical Lead

- Guided and mentored 10+ team members across four different time zones. Managed development, QA/testing, and support team activities as well as bug/issue resolution in an Agile/Scrum environment.
- Responsible for overall architectural concerns of the system – particularly scalability, security and maintainability. Confidently streamlined communication of complex ideas to stakeholders as needed.
- Competently navigated through complicated technical debt trade-offs while prioritizing business needs.
- Successfully led efforts to integrate Splunk, SonarQube, Veracode, Twistlock, SendGrid and DataDog.
- Identified superfluous API calls, potentially reducing operational costs by over \$100,000/month.

Mississippi State University, NSPARC Starkville, MS May 2017 – October 2018

### Programmer Analyst

- Modernized legacy frontend of Java EE application with JavaScript, Sass, Bootstrap and Webpack that required complex restructuring of Thymeleaf templates, resulting in improved maintainability.
- Used Angular, TypeScript, Webpack, Sass, and D3.js to develop the frontend of reporting dashboards.
- Exposure to Spring Boot through co-development of reporting dashboard backend and REST API.
- Maintained seven Wordpress websites in parallel and made updates according to client needs.
- Exposure to business intelligence and IBM Cognos 11 through co-development of various dashboards.

Mississippi State University, NSPARC Starkville, MS June 2016 – May 2017

### Wordpress Developer, Student Worker

- Implemented seven fully responsive, content-heavy Wordpress sites for various clients.
- Responsible for the entire design and development lifecycle supported by a rigorous SDLC process.
- Heavy focus on aesthetics, long-term maintainability, full WCAG 2.0 compliance, and Git usage.

## Projects

### Google Maps Web Application – “Mississippi Food Insecurity Project”

- Commissioned by Mississippi State University head of the Sociology Department to build a web application using the Google Maps API with the goal of enabling researchers to glean insights related to the food security landscape in the state of Mississippi. Geospatial data was sourced from the USDA ERS.
- Researched and analyzed disparate datasets in order to effectively understand, clean, transform and merge the data using Python scripts. Built using HTML5, CSS3, vanilla JS and the Google Maps API.
- Implemented functionality that allowed users to explore geospatial data and potentially uncover patterns across the various datasets by visually overlaying metrics.