

James Vanderburg

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Experience

- **Software Engineer, USAA; Plano, Texas — September 2019 - Present**
 - Working with USAA's Enterprise Content Management and Generation team to support all member-facing operational communications.
 - As a junior developer, led development and design of a React frontend for our mass communications service. Used React, Redux, and Jest to build the frontend for users to schedule, send, and track the status of mass communication jobs. My efforts on error reporting helped eliminate the need for developers to perform lengthy manual reconciliation of messages that encountered errors during processing.
 - Used Spring Boot (both Spring MVC and Spring Webflux), Kafka, SQL databases, and Cassandra to build a mass communications service to reach all of USAA's membership within an hour, replacing a legacy service that would tie up production support and developer time.
 - Increased my team's testing and quality assurance proficiency. Used Cypress to automate end-to-end testing for our mass communications service. Also practiced and promoted test-driven development, and learned Groovy and Spock to enable better testing of Spring Boot microservices.
 - Won Honorable Mention for an internal USAA hackathon. Wrote a small amount of Go tests for a project with the goal of implementing externalized configuration with Spring Cloud Config that would be able to work with USAA's infrastructure.
 - Converted a microservice in our mass communications system from Spring Webflux to Spring MVC.
- **Software Development Intern, Gaslight Software; Cincinnati, Ohio — May 2018 - August 2018**
 - Built a scheduler single-page app for Gaslight's internal team application, using React and Rails to create a responsive calendar to give employees greater visibility into Gaslight's ongoing projects and employee assignments.
 - Participated in user story mapping, learned React on the job, wrote RESTful APIs, and built ActiveRecord and ActiveModel objects to create the scheduler. Performed ActiveRecord query optimization, collaborated with a designer, and pair programmed with other interns daily.

Education

Texas A&M University, College Station, Texas — Fall 2015 - Spring 2019

Graduated in May 2019 with a Bachelor of Science in Computer Science.

GPA: 3.431 (in major), 3.400 (overall)

Selected Electives: Software Engineering, Scripting Languages, Artificial Intelligence, Human-Computer Interaction, Computer and Network Security

Skills

- **Programming Languages:** Ruby, JavaScript, Java
- **Web Technologies:** Ruby on Rails, React, Redux, Spring Boot, Spring MVC, Spring Webflux
- **Tools & Platforms:** RSpec, Jest, React Testing Library, Cypress, Git, GitHub, GitLab, Heroku, Spock, JUnit, Kafka
- **Interests:** Elixir, Phoenix, Clojure