

Ryan Riley Puzon

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Professional Experience

Walmart

May. 2024– Present

Software Engineer

- Developed a tagging engine using Adobe Analytics, enabling comprehensive behavioral data tracking and supporting data-driven decisions in A/B testing and long-term analytics.
- Migrated the legacy tagging engine to align with a new frontend component system, leveraging Splunk queues for data mapping, keeping accurate tracking, and ensuring seamless analytics workflows
- Reduced system exceptions from 50K per day to 100 per day by identifying and resolving bugs caused by recent and legacy changes, improving error handling, and enhancing system performance
- Developed a website using D3 to visualize real-time and non-real-time data from Adobe Analytics, creating an interactive reporting tool now used by the SVP for data-driven decision-making

Zaghop LLC

Mar. 2022 – Feb. 2023

Software Engineer

- Developed React components for a CRM application to streamline the templating process for clients' medical products, improving workflow efficiency and reducing template creation time
- Improved application modularity by abstracting the template creation process into a state context, enabling easier feature additions and reducing future development time
- Implemented a robust testing infrastructure using Jest, React Testing Library, and Storybook UI, increasing test coverage and ensuring the reliability of key features

Projects

Notifications Microservices

May. 2023

- Developed Spring Boot microservices that enable user notifications through Email, WhatsApp, and SMS, improving multi-channel communication and engagement
- Integrated Kafka and Pulsar event streams to ensure real-time, efficient notification processing across microservices, enhancing scalability and system responsiveness
- Developed automated end-to-end tests combined with Datadog alerts to ensure reliable notification flows, improving test coverage and reducing deployment issues

Technical Skills

Programming Languages: Java, Javascript

Tools: Datadog, Postman, Docker, Git, Adobe Analytics, Splunk

Frameworks and Libraries: Spring, React, D3

Education

Fullstack Academy

Fullstack Web Development

Remote

Jun. 2020– Dec. 2020

Certifications

AWS Certified Cloud Practitioner

May. 2023