AUSTIN ROVGE

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SKILLS

- Technologies: C#, Go, Java, Kotlin, Node, React, Redux, Rust, SQL, Swift, SwiftUI, Terraform, TypeScript
- Tools: Adobe XD, AWS, Cloudflare, Docker, Firebase, GCP, Git, GitHub Actions, GitLab CI, Xcode

EXPERIENCE

Software Engineer   June 2021 – Present
Software Engineer Intern   June 2019 – June 2021
Direct Supply   Milwaukee, WI

- Assisted building and maintaing greenfield iOS application written in SwiftUI to replace legacy Xamarin application, reducing crash rate from 9% to < 1%, reducing time for local development and time to ship a new version of the app, and added thorough logging to the application to make errors actionable for development team.
- Containerized legacy C# applications to run in serverless AWS Fargate, moved secrets to HashiCorp Vault, and created infrastructure to route traffic securely between Route53, ALB, and the ECS cluster, resulting in lowered maintenance costs and more resilient error handling.
- Researched and introduced Swift structured concurrency to the iOS app, reducing the 90-day crash rate by 50% from ~2,200 crashes to ~800 crashes, improving user experience and app stability.

Consultant   July 2021 – October 2021
Rebentify Technologies   Milwaukee, WI

- Setup staging and production environments in GCP Cloud Run and Firebase, enabling CD and ensuring a single Docker image was shared across tiers with only config changes, therefore facilitating production-reproducible behavior between tiers.
- Swapped user authentication to Google Sign-In, removing the need to maintain a separate set of credentials for the users resulting in increased security and less organization risk.
- Introduced front-end and API logging capabilities to give insight into errors and prioritize bug fixes before users could report an issue using the product.

MENTORSHIP & PROJECTS

FIRST Mentor – Charger Robotics Team 537   October 2021 – Present

- Taught programming concepts and problem solving skills to students, equipping them to continue learning independently and to contribute to the robot's codebase.
- Liaised between senior mentors, department leaders and students to foster an environment of open communication, learning and community, resulting in a well-informed, close-knit team and high morale.
- Instilled FIRST Core Values and Gracious Professionalism into high school students, helping develop skills and behaviors to promote a healthy environment for learning and fun.

Fluoroscopy Simulator – Medical College of Wisconsin   September 2019 – May 2020

- Configured Raspberry Pi 3 as an automated deployment target for full-stack application, allowing for quick testing and iteration on a production platform
- Created test suite with unit and end-to-end tests running in GitLab CI as Docker containers for consistent, reproducible tests to catch any issues from any end of the application.

EDUCATION

Milwaukee School of Engineering   September 2017 – May 2021
B.S. Software Engineering   Milwaukee, WI
Minor in User Experience   GPA: 3.5 / Major GPA: 3.7