
RYAN BYRNE

Senior Software Engineer

A pragmatic and team oriented Software Engineer with over 4 years of professional experience developing high-valued products and driving improvements to company workflows. Proven track record of initiating and delivering impactful solutions to complex problems in fast paced environments.

📍 Phoenix, AZ
📞 (631) 626-4975
✉ ryanjbyrne3@gmail.com
🌐 <https://www.ryanbyrne.work>
🔗 <https://github.com/ryanbyrne30>

Professional Experience

PLEXUS WORLDWIDE

Technical Lead, Sr. Software Engineer

Scottsdale, AZ

October 2023 - Current

- **System Development & Architecture:** Led an engineering team in developing a second-generation, message-driven order system to enhance scalability and global order fulfillment. Collaborated with Solution Architecture to create robust designs and coordinate with external vendors.
- **Team Leadership & Mentorship:** Motivated and united my team during turbulent times, maintaining consistent delivery despite changes in team structure and leadership. Mentored junior engineers and ensured successful execution of deliverables by resolving team blockers and aligning with business requirements.
- **Implementation of Best Practices:** Guided teams in adopting software engineering best practices including inversion of control, separation of concerns, interface-based design, and improved testing methodologies to enhance code quality.
- **Feature Flag Strategy Implementation:** Developed, documented, and implemented a feature flag strategy to ensure consistent user experiences during multi-service feature releases.
- **Innovation & Recognition:** Achieved first place in Plexus' Hackathon by developing an innovative Spring Boot message routing service to be integrated into the production system, demonstrating technical prowess and a proactive approach to problem-solving.

Leadership, Mentorship, Agile, Design Patterns, Java Spring Boot, Mulesoft, Next.js, Node.js, React.js, TypeScript, Docker

SWIFT EVENTS

Full Stack Engineer

Phoenix, AZ

October 2022 - October 2023

- **Product Development & User Experience Enhancement:** Drove the development of an event management platform designed for small event planners seeking a streamlined registration process. Collaborated with users to continuously enhance the user experience.
- **Cost Reduction & Infrastructure Optimization:** Migrated software to serverless and edge runtime infrastructure achieving an 80% reduction in operational costs and significantly improved critical KPIs, including elasticity, scalability, security, maintainability, and deployability, ensuring a robust and flexible platform.
- **Enhanced Debugging & Rapid Response:** Streamlined the debugging process by integrating with Sentry, resulting in a substantial reduction in patch time to less than an hour after receiving a report. This rapid response capability improved system reliability and user satisfaction.

Next.js, Node.js, React.js, TypeScript, MySQL, AWS, Stripe, Docker, TailwindCSS, Figma, Adobe CC, UI, UX

NORTHROP GRUMMAN

Cyber Architect

Chandler, AZ

June 2021 - October 2022

- **Operational Transformation:** Revolutionized company operations by working with my team to design and construct a DOD-compliant software factory. This innovative platform automated testing, scanning, deployment, and logging across multiple programs, significantly enhancing operational efficiency and compliance.
- **Custom Cybersecurity Tools Development:** Spearheaded the creation of three bespoke automated cybersecurity tools, achieving a remarkable 99% increase in speed for compliance and security scanning processes. This development not only accelerated operations but also resulted in substantial cost savings for the company.
- **Cross-Program Integration:** Earned recognition for exceptional development efforts by successfully coordinating and integrating the newly created tools into the workflows of four additional programs across two sectors.

Python, GitLab, Terraform, Ansible, Cybersecurity, DevSecOps, Agile, Kanban, Documentation

Software Engineer

Bethpage, NY

June 2020 - June 2021

- **Innovation in Internal Metrics:** Developed a .NET Core application to track the career trajectories of internal employees, enhancing the organization's ability to monitor and support employee development and progression.
- **Cross-Team Integration & Recognition:** Organized and executed the successful integration of back-end services with other teams, demonstrating exceptional communication skills and reliability. Awarded the Bravo Award for Operational Efficiency for this effort.

.Net Core, C#, MSQl, Razor Pages, JavaScript, CSS, REST API, Agile, Scrum, Documentation, Communication

Education

Stevens Institute of Technology

Bachelors of Science in Computer Science, Minor in Cybersecurity

Dean's List, Men's varsity volleyball athlete

Hoboken, NJ

May 2021