
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.

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Professional Experience

PLEXUS WORLDWIDE

Technical Lead, Sr. Software Engineer

Scottsdale, AZ

October 2023 - Current

- **Leadership & Team Management:** Led a dynamic engineering team of 4 in the development of a second-generation critical system, enhancing global order fulfillment and tracking capabilities
- **Architectural Design:** Collaborated closely with Solution Architecture to create comprehensive architectural diagrams for a new decoupled, message-driven order system, ensuring robust and scalable solutions
- **Mentorship & Stakeholder Engagement:** Successfully balanced mentoring junior engineers, interfacing with product owners and stakeholders to derive precise business requirements, coordinating with external contractors, resolving team blockers, and executing on implementations of deliverables
- **Implementation of Best Practices:** Drove the adoption of best software engineering practices across teams, including the use of OpenAPI specifications for internal systems, boosting the quality of testing, and applying design patterns such as inversion of control and separation of concerns to enhance code maintainability and scalability.
- **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

- **Market Identification & Product Development:** Successfully identified and capitalized on a niche market demand by developing a SaaS event management platform specifically tailored for small to medium-sized organizations. This strategic initiative resulted in over 60 successful event registrations within the first month of launch, demonstrating rapid user adoption and market fit
- **Cost Reduction & Infrastructure Optimization:** Achieved an 80% reduction in operational costs and enhanced the company's competitive advantage by implementing serverless and edge runtime infrastructure. This approach 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 using 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