Ryan Byrne
SOFTWARE ENGINEER

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SUMMARY

Driven and multifaceted developer possessing strong creative and critical thinking skills. Passionate and skilled at taking complex ideas and turning them into reality.

EDUCATION

May 2021

B.S Computer Science,
Minor Cybersecurity

Stevens Insitute of Technology

SKILLS

Prototyping & Design
- Figma
- Adobe Creative Cloud

Frontend
- React / AstroJS
- JavaScript / TypeScript
- HTML / CSS
- Tailwind
- Razor pages

Backend
- NextJS
- NodeJS & Express
- REST, GraphQL
- AWS
- Python
- SQL & MongoDB
- C#

Source Code
- GitLab
- GitHub

WORK EXPERIENCE

Full Stack Engineer   *https://www.swiftevents.app*

Swift Events, Phoenix, AZ   *October 2023 - Current*

NextJS · React · TypeScript · AWS · MySQL · serverless

- Transformed a conceptual event management application for a niche market into a minimum viable product and then a production beta release
- Achieved scalability while minimizing operating costs by implementing a serverless architecture that provided reliable and efficient operations
- Integrated with Stripe to process secure payments, SendGrid to send timely and personalized email notifications to users, and AWS S3 to efficiently store user-uploaded images and media
- Actively communicated with users to obtain market feedback and implemented user-desired changes, resulting in higher user satisfaction and retention

Cyber Architect

Northrop Grumman, Chandler, AZ   *June 2021 - October 2022*

Python · Ansible · Terraform · cybersecurity · software factory · pipelines

- Collaborated with my team to design and build a DOD-compliant software factory and infrastructure for multiple programs
- Innovated and developed custom automated cybersecurity tools that drastically reduced security and compliance scanning time from days/weeks to just minutes, resulting in significant cost savings for the company
- Gained recognition for these tools, which led to other programs across the company adopting them and resulted in my assistance in onboarding engineers to use the tools
- Designed and documented software architecture, presenting to leadership and showcasing innovative solutions for complex problems

Full Stack Engineer

Northrop Grumman, Bethpage, NY   *June 2020 - June 2021*

.NET Core · Razor pages · REST API · MSQL · C#

- Contributed to the development of a full-stack .NET Core application that tracked the career trajectories of internal employees
- Took charge of architecting and developing the REST API, frontend Razor pages and MSQL database, utilizing C#, resulting in a highly scalable and efficient system
- Collaborated with multiple dependent teams, ensuring successful integration and alignment with broader organizational goals
- Received the Bravo Award for Operational Efficiency for my exceptional work ethic and communication skills