

Ryan Byrne

SOFTWARE ENGINEER

RyanJByrne3@gmail.com

(631) 626-4975

Chandler, AZ 85225

<https://www.ryanbyrne.work>

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 Institute of Technology

SKILLS

Prototyping & Design

- Figma
- Adobe Creative Cloud

Frontend

- React / AstroJS
- JavaScript / TypeScript
- HTML / CSS
- Tailwind CSS

Backend

- NextJS
- NodeJS & Express
- REST, GraphQL, tRPC
- AWS
- Python
- SQL & MongoDB

Source Code

- GitLab
- GitHub

WORK EXPERIENCE

Software Engineer

<https://www.swiftevents.app>

Swift Events, Phoenix, AZ

January 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 and best practices

Software 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 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 integration and communication skills while working on a project