

Nathan Damron

Software Engineer

Olathe, KS

Phone: 913-991-2381

Email: Damronnathan14@gmail.com

GitHub: GitHub.com/damronathan

LinkedIn: LinkedIn.com/in/nathan-damron

Portfolio: Nathandamron.com

SUMMARY

Software Engineer building mobile platforms with React Native and .NET. Experienced in cloud architecture, event-driven microservices, and scalable real-time systems. Created BarClip, an automated video editor streamlining video editing workflows. Professional weightlifter for 13 years, competing internationally and recognized among the best in the world.

SKILLS

C#, .NET, Azure, SQL, Entity Framework, TypeScript, React, React Native, GitHub

EXPERIENCE

Software Engineer

Routine Innovation | Merriam, KS

January 2024 - Present

- Architected audio processing microservice using Azure Functions, Event Grid, and Azure BlobStorage to eliminate audio processing bottleneck, reducing perceived API latency from 4.7 seconds to 100ms
- Refactored Playlist API from full-object updates to partial updates, reducing payload size by 80% for common operations and improving UX with faster, more flexible requests
- Integrated third party voice isolation to remove background noise, improving app reliability and reducing user retries for a smoother experience
- Built secure user authentication system using Azure B2C for mental health app handling personal audio data, implementing both frontend and backend integration to meet strict privacy requirements and build user trust

PROJECTS

BarClip - Automated Video Editor | BarClip.com

September 2023 - Present

- Built automated video editing application using custom YOLOv8 computer vision model and C# microservices, reducing personal content creation workflow from 90 minutes to 15 minutes while serving 55K+ social media followers; deployed public React demo with Azure Container Apps and Entra ID authentication

ACHIEVEMENTS

World Class Weightlifter

September 2012 - Present

- Competed in 22 international competitions, set 9 American records, earned 11 international medals, won 7 national titles, and was Pan-American Champion with a best world placement of 5th reflecting elite work ethic, persistence, and performance under pressure