

Nathan Damron

Software Engineer

Nathan Damron

Olathe, KS

913-991-2381

Damronnathan14@gmail.com

[GitHub.com/damronathan](https://github.com/damronathan)

[LinkedIn.com/in/nathan-damron](https://www.linkedin.com/in/nathan-damron)

Nathandamron.com

Skills

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

Experience

Routine Innovation / Software Engineer

January 2025 - PRESENT, Merriam, KS

- 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 frustrating 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.
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Projects

BarClip - Automated Video Editor | BarClip.com

March 2025 - 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.
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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.