

Nathan Damron

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github.com/damronathan | linkedin.com/in/nathan-damron

barclip.com — Live MVP | nathandamron.com — Portfolio

Summary

Software Engineer at Routine Innovation working on SelfTalk, an AI-integrated mobile platform built with React Native and ASP.NET Core. Experienced in scalable cloud architecture using Azure Functions, event-driven processing, and real-time communications. Applied skills from professional work to independently build and deploy BarClip, an automated video editor that saves 10+ hours weekly, allowing me to focus more time on skill building. Experienced in rapidly learning new technologies and delivering complete solutions—from frontend UI to cloud infrastructure.

Technical Skills

Cloud & Infrastructure

Azure (App Services, Container Apps, Functions, Storage Accounts, Container Registry, Application Insights, Entra External ID), Docker

Backend

C#, ASP.NET, Web API, SignalR, Entity Framework, SQL Server

Frontend & Mobile

TypeScript, JavaScript (ES6+), React, React Native, HTML5, CSS3

Tools & Practices

Git/GitHub, xUnit Testing, RESTful APIs, UI/UX Development, Machine Learning (YOLOv8, ONNX)

Professional Experience

Software Developer

2025 - Present

Routine Innovation

- ▶ Architected and implemented Azure Function microservice to eliminate audio processing bottleneck, enabling scalable user growth through event-driven architecture and SignalR real-time notifications
- ▶ Led full-stack feature development, progressing from frontend UI/UX to backend API endpoints, demonstrating rapid learning and end-to-end ownership
- ▶ Migrated deprecated Expo AV to Expo Audio and integrated third-party voice isolation API, improving app reliability and user experience
- ▶ Implemented Azure AD B2C authentication and developed comprehensive testing strategy using API mocking, ensuring secure user access and development efficiency
- ▶ Collaborated with senior developer in startup environment, taking ownership of critical features and contributing to MVP development timeline

Personal Projects

BarClip - Automated Video Editor

2025 - Present

Independent Project - barclip.com

- ▶ Achieved 87.5% time reduction in video editing workflows (2 hours to 15 minutes)
- ▶ Currently serving 55k+ Instagram followers in production use for content creation workflow optimization
- ▶ Built full-stack automated video editing service using C#.NET backend and React frontend
- ▶ Implemented computer vision pipeline using YOLOv8 custom-trained model for barbell movement detection
- ▶ Deployed scalable cloud architecture on Azure with automated video processing and real-time communication via SignalR
- ▶ Integrated comprehensive tech stack: Azure Functions, Docker containerization, SQL Server, and FFmpeg video processing