



CALEB VACCARO

.NET Engineer

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WORK EXPERIENCE

.NET SDK ENGINEER

CyberSurfer, LLC | Apr 2023 - Current

- Built the first motion-control .NET SDK turning mobile devices into game controllers.
- Created automated CI/CD pipelines to deploy Unity, iOS, Android, and React applications leading to 80% decrease in SDK deployment timelines.
- Leveraged .NET frameworks to benchmark and validate app services across multiple mobile devices.
- Open-Sourced SDK for dynamic video game difficulty adjustment based on player heart rate, utilizing ML.NET and Hyperate API.
- Led 5 teams to deliver key project milestones, impacting hundreds of live users.

.NET BACKEND ENGINEER

First Republic Bank | Jul 2022 - Apr 2023

- Overhauled ASP .NET core transaction layer from .NET 5 to .NET 6 impacting 17.5 billion dollars in private wealth assets.
- Implemented a C# API with Microsoft Dynamics 365 Finance, leading to a 30% reduction in manual data entry time for financial invoices and decrease in data errors.
- Refined backend service testing suite for Account and Transactions teams, resulting in a 66% increase in API security.
- Managed health status of applications using Jenkins, New Relic and Splunk to resolve consumer downtime.

.NET ENGINEER

RIT Behavioral Health Clinic | Feb 2019 - Jul 2022

- Created a Unity3D therapy service providing drug abuse and anger management to five clinics in the Tri-State.
- Utilized Unity3D addressables to load audio assets into therapy service reducing build size.
- Orchestrated HIPAA-compliant backend services for patient accounts, and application assets using Azure leading to 50% decrease in API costs.
- Built CI/CD pipelines for all clinic applications using Azure DevOps, deploying to iOS, Android, through TestFlight and Android Studio.

SOFTWARE ENGINEER INTERN

Cycling Sports Group | May 2018 - Jan 2019

- Automated client database ingest through a custom WPF service, boosting database efficiency for client applications in PLC and HMI product development.
- Remotely resolved issues on 200+ global dynamic fit units using tools like TeamViewer and command-line operations.

EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY

B.S. Game Design and Development | Aug 2016 - May 2021

- Lead a team of 6 to manufacture the first VR hoverboard physical apparatus using Unity, Python, and off-the-shelf components, resulting in \$11,200 in early-stage investment.

PROGRAMMING LANGUAGES

C#	C++	Python	SQL	NoSQL	PostgreSQL	React	HTML/CSS	YAML
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TECHNOLOGIES

.NET	ASP .NET	Azure DevOps/Cosmos DB/Functions			Microsoft Entra ID		Docker
Jenkins	Unity	XCode	Android Studio	TCP/UDP	PLC/HMI	I2C	Vercel