

# Daniel Lungaro

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## Software Engineer

**Technical and Professional Skills:** Java | C# | Python | C++ | Leadership | Management

## PROFESSIONAL EXPERIENCE

**SDE 2** | Amazon | September 2022-Present

Developing a service that aggregates Amazon retail AWS resources to help ensure security compliance.

- Developed a step function to granularly investigate accuracy of different AWS resource types.
- Completed IAM access for the service in order to allow easier customer onboarding.

**Software Engineer II** | MGM Resorts | August 2021-August 2022

Responsible for developing ASP.NET Core C# and TypeScript code in an Azure and AWS hosted environment.

- Developed an Azure serverless function app that listens to an Event Grid topic to notify other services of updates.
- Implemented multiple GQL resolvers pertaining to room upgrades and housekeeping status.
- Created Azure DevOps code and infrastructure release pipelines for an Azure serverless function app.

**Software Engineer** | Fuse Integration | June 2020-July 2021

Responsible for developing C++ code to integrate unique radio communication networks.

- Developed the C++ code to implement a new radio device into the overarching communication network via integration with a MQTT message broker system.
- Created multiple Python scripts to parse log messages and Postgres SQL database tables to produce informative charts on performance of aircraft during post-test investigations.
- Implemented Microsoft Teams flows to help organize morning stand ups and stand-up notes into a more efficient and expedient execution.

**First Lieutenant** | United States Marine Corps | June 2016-June 2020

Manage section that oversees organization's events and qualifications for each member.

- Presented organization's capabilities to a 200 personnel conference, including international colleagues, leading to collaborations with international agencies.
- Served as Group Leader for a 290 mile and 15 vehicle convoy, safely transporting 45 personnel and over 1 million USD in equipment.

## EDUCATION

**Master of Science in Computer Science** | California State University, Fullerton | Aug 2020-May 2022

**Bachelor of Arts in Computer Science (Magna Cum Laude)** | State University of New York at Albany | Sept 2012-May 2016

**Microsoft Software and Systems Academy** | Embry-Riddle Aeronautical University, San Diego, CA | Jan 2020-May 2020

## PERSONAL PROJECTS

**AD-2P** – Python Application that statically analyzes C and C++ code with Clang for year 2038 vulnerabilities. React Front end. Azure hosted backend with FastAPI.

**Wargamer Showcase** – Web app for painted miniatures, developed with C#, Blazor, and Cosmos DB. Hosted on Azure.

**Portfolio Site** - Personal portfolio site developed with React and Gatsby hosted on AWS.

**Happy Snail Programing** - Articles and tutorials on programming, hosted on WordPress.