

## Technical Skills

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- **Languages:** Python, Node.js, Golang, Java, C#, C
- **Cloud & Platforms:** AWS, Azure, Kubernetes, Docker, Helm
- **Databases & Messaging:** PostgreSQL, CosmosDB (NoSQL), Kafka
- **CI/CD & DevOps:** Gitlab CI, Jenkins, Git, Linux
- **APIs & Frameworks:** ASP.NET Core, Apollo GraphQL, REST APIs

## Employment

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**Software Engineer, Full Stack**                      **ST Engineering iDirect**                      **May 2022 – Present**

- Led the full system upgrade by developing a dual-mode migration strategy and custom tools. Automated minimal downtime, multi-cluster database upgrades via a redeployable service.
- Engineered a new microservice integrating S3, event-driven processing, and a GraphQL API for high-volume file upload and data exposure.
- Designed and implemented solution for multiple service initialization of new IAM system (Keycloak).
- Spearheaded the implementation of integration test suites across several key microservices, significantly streamlining local development and improving CI/CD reliability.
- Analyzed existing data streaming microservices and wrote design for implementing required architecture changes.
- Maintained and extended Apollo GraphQL resolvers and schema definitions to support new data models and complex queries across backend services.

**Software Engineer Intern**                      **Geico**                      **Summer 2021**

- Created application for DevOps deployment data management utilizing ASP.NET Core
- Collaborated with front-end team to implement RESTful APIs for data exchange.
- Utilized CosmosDB for efficient data retrieval and updates.

**Service Desk Analyst**                      **Qbase**                      **Jan 2020 – May 2022**

- Managed Active Directory user accounts and group policies using desktop client and PowerShell.
- Conduct troubleshooting to resolve hardware and software related issues for over 60,000 users.
- Maintained up-to-date knowledge of over 200 applications.

## Education

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**Fairfax, VA**                      **George Mason University**                      **Fall 2019 – Spring 2022**

- B.S. in Computer Science
- Coursework: Object-Oriented Programming, Data Structures, Analysis of Algorithms, Low-Level Programming, Software Engineering, Systems Programming, Web-App Development, Operating Systems, Database Concepts, Secure Programming

## Projects

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- **NotifyAgent:** Containerized full-stack application (React, MUI, FastAPI) that centralizes notifications to multiple services via a unified API.
- **Palworld Lens:** Docker-native full-stack application (Vite + Leaflet + FastAPI) for parsing Palworld game saves and visualizing player bases, pals, and guilds. Includes an interactive map using 8k image tiling.
- **Spotify Playlist Generator:** Containerized full-stack application (FastAPI + Alpine.js) that builds personalized playlists with Google Gemini, verifying each AI-suggested track against Spotify.