

Clyde Goodall

Full-Stack Engineer

Palm Beach County, Florida

Experience

Orion Network Solutions (2026-Current)

Senior Full-stack Software Engineer

- Contribute to a high-throughput data pipeline built on Go, PostgreSQL, and GIS, ingesting live sensor readings from **thousands of hydrology gauges nationwide** and reliably processing **millions of requests** via AWS to support continuous water-level monitoring.
- Build and maintain **water.noaa.gov**, a Svelte-based, GIS-powered interactive chart and map application used by **federal stakeholders** to visualize, query, and analyze water sensor networks, hydrologic datums, and forecasts.
- Architect features for a distributed, cloud-native platform spanning ingestion, storage, configuration, and visualization layers, designed for **high availability** across **critical national infrastructure**.
- **Own and lead development of the Water Supply feature** on water.noaa.gov, from stakeholder requirements through delivery, bringing **thousands of NOAA water supply sensor locations** onto the GIS map with hydrographs that pair forecast and observed data; partner directly with federal stakeholders to define scope, gather input, and refine requirements.

Interrupt LLC - Palm Beach, FL (2025)

Founding Full-stack Software Engineer

- Architected and developed a **scalable Discord bot application** using Go and PostgreSQL, serving the **fintech sector** with Dockerized cloud-native deployment.
- Implemented CI/CD pipeline for continuous integration and deployment, ensuring reliable software delivery and maintaining **99%+ uptime** for production systems.
- Built responsive web application using React and Next.js with TypeScript, deployed via Vercel with **automated deployment workflows**.

Infotech Inc. - Gainesville, FL (2021-2025)

Full-stack Software Engineer

- Architected CMS and deployment platform migration using AWS EC2, S3, Lambda, and TypeScript that reduced maintenance burden for 3 developers, **cutting release cycles by 50%** and generating **\$5,000 yearly cost savings**.
- Modernized **mission-critical employee management system** by architecting a full-stack solution using TypeScript, Vue.js, Sequelize ORM, and Express, reducing technical debt and implementing automated CI/CD deployment pipeline.
- Future-proofed tech stack by **re-implementing vital core libraries** and testing in TypeScript.

Skills

Languages: Javascript/TypeScript, Go/Golang, PostgreSQL, MySQL, GraphQL

Libraries: Svelte, Vue, NodeJS/Node.js, NextJS/Next.js, Nuxt, Sequelize, PostGIS

Other: GIS, AI-assisted workflows, RESTful APIs, Git, CI/CD, Scrum/Agile, Docker

Education

Florida Atlantic University (2016-2020)

- Bachelor's of Computer Science
- Data Science Certificate