

# Shawn D'silva

## Senior Full Stack Engineer

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### SUMMARY

Passionate, Dynamic Full Stack Web Developer with a wide skill-set spanning 2+ Years of Experience in Frontend, Backend, Databases, and DevOps/Cloud.

Currently at Blue Sky Analytics, building and maintaining Highly Available, Scalable Geo-Spatial Climate Intelligence APIs and Infrastructure.

### SKILLS

**Languages & Frameworks** - JavaScript ES6, Python, NodeJS, React, TailwindCSS, Gatsby.

**Databases** - PostgreSQL( incl. TimescaleDB, PostGIS ) MongoDB, Redis.

**DevOps & Cloud** - AWS, Terraform, Docker, Kubernetes.

### EXPERIENCE

#### Senior Full Stack Engineer, Blue Sky Analytics

OCTOBER 2023 - PRESENT

- Migrated Database from custom AWS EKS Kubernetes Cluster to a TimescaleDB cloud Managed service with no downtime
- Scoping, assigning tasks to team members and mentoring them
- Resolving any issues affecting production systems

#### Full Stack Engineer, Blue Sky Analytics

MARCH 2022 - SEPTEMBER 2023

- Created and maintained new and existing APIs for Climate Data on the backend.
- Built new and maintained existing AWS Lambda based scrapers in NodeJS to obtain GIS Data from various sources and store the results in AWS S3.
- Implemented User & API analytics functionality end-to-end from React based Frontend to NodeJS based API and SQL queries leveraging TimescaleDB
- Refactored code base to add seeders, fixed Docker-based local setup and added comprehensive documentation.
- Collaborated with Data Science Team in setting up AWS Batch Jobs infrastructure for their GIS image processing workloads, implemented in AWS CloudFormation IaC

#### Full Stack Intern, Blue Sky Analytics

DECEMBER 2021 - FEBRUARY 2022

- Implemented Responsive Design & added Mobile/Tablet view UI elements for SpaceTime GeoSpatial Data visualization platform
- Migrated Image assets of company Website + Blog from local storage to Cloudinary, integrating the Cloudinary SDK to increase image quality and decrease page loading time.