

Sarab Bedi

Software Engineer

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sbedi49.github.io/Portfolio

PROFESSIONAL SUMMARY

Highly motivated software engineer with 2 years experience working as a federal contractor for the USGS. Worked in all aspects of web development and experienced in maintaining application infrastructure in AWS.

EXPERIENCE

Application Engineer, Xcellent Technology Solutions — May, 2022 - Present

- Currently working as part of the NGTOC delivery systems team which works to support and maintain The National Map (TNM) products and services.
- Primary responsibilities include making feature request updates to TNM's fleet of applications, APIs and services, create CI/CD pipelines in GitLab for automating IaC using AWS CDK and analyzing performance health of existing applications and services using Sumo Logic.

Web Developer, Xcellent Technology Solutions — May, 2021 - May, 2022

- Worked on creating the Trail Data Portal - a geospatial web application for facilitating efficient digital trails data submissions and communications between the USGS and its data providers as part of the National Digital Trails initiative.
- Responsibilities included creating a seamless UI/UX for users to submit, download and view the status of their trail data submissions. Also created a separate interface for admins with additional functionality including making status updates, submitting error files and creating assessment reports.
- Other responsibilities included implementing open authentication to allow for users to SSO with login.gov accounts and writing python scripts with arcpy to process and extract geospatial data for the UI to consume.
- Technology stack for this project included: React, Node.js, GraphQL, PostgreSQL, Docker, Prisma.

EDUCATION

University of North Carolina — Bachelor of Science in Geology, 2019

North Carolina State University - Graduate Certificate in GIS, 2020

SKILLS

AWS, Docker, React, JavaScript, TypeScript, Python, Linux, GitLab, Node, Sumo Logic, HTML/CSS, GraphQL, SQL, ArcGIS

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- NACI (National Agency Check w/ Inquiries)