Brad Stricherz

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🌙 Dark Mode

👤 Professional Summary

Accomplished full-stack software developer with 15+ years of experience in the GEOINT and Geospatial domain delivering mission-critical geospatial solutions for U.S. Government operations. **Holds active TS/SCI clearance with CI Polygraph**. Progressed from geospatial and imagery analyst to full-stack software developer, combining technical expertise in modern development frameworks with specialized WebGIS and GEOINT capabilities. Founded GeoBrad.dev to apply skills toward social impact initiatives, building open-source mapping platforms for nonprofits and research organizations.

</> Technical Skills

JavaScript   React   React Native   Node.js   Python   Django   GeoDjango

Django Ninja   FastAPI   PostgreSQL   PostGIS   SQL   Docker   Git

CI/CD Pipelines

💼 Professional Experience

Full-Stack Software Developer | Geospatial and Imagery Analyst, National Geospatial-Intelligence Agency   **2010 - Present**

Progressed from geospatial and imagery analyst to full-stack developer, delivering mission-critical software and analysis for U.S. Government operations worldwide.

Developed secure, modern web applications to support the Aeronautical Safety and Navigation Office using React, FastAPI, and PostGIS.

Built interactive mapping tools and microservices for aeronautical safety data visualization and automation workflows.

Deployed scalable geospatial platforms with GitLab CI/CD, Docker, and PostgreSQL/PostGIS backends.

Supported time-dominant intelligence operations and targeting missions for FBI and DIA.

Deployed to embassies and military commands in Iraq, Saudi Arabia, Korea, and aboard the U.S. Navy's 7th Fleet as a trusted GEOINT and technical resource.

Full-Stack Geospatial Software Developer, GeoBrad.dev   **2024 - Present**

Founded a consultancy to design open-source, full-stack geospatial platforms using Django, React, Leaflet, and CesiumJS.

Built pro bono GIS applications for nonprofits, researchers, and community organizers to address social and environmental challenges.

Developed reusable WebGIS templates with user auth, spatial API endpoints, dashboards, and multi-format data export tools.

Provided training and implementation support for organizations adopting modern mapping and spatial analysis technologies.

🎓 Education

Bachelor of Science in Geography, South Dakota State University, 2009

Master of Arts in International Relations, Webster University, 2019

Master of Science in Spatial Data Science, Penn State University, 2023

✳️ Certifications

Penn State Graduate Certificate in Geospatial Programming and Web Map Development

GEOINT Professional Certifications in Imagery Analysis, Geospatial Analysis, and Geospatial Data Management

Department of Defense Certified Instructor in Python

Cesium Certified Developer

Docker Foundations Professional Certificate

🛡️ Clearance

Top Secret / SCI with CI Polygraph (Active)

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