

# Brad Stricherz

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## Professional Summary

Full-stack software developer with over 15 years of experience supporting the U.S. Government, specializing in modern web and mobile applications. Founder and geospatial software developer with expertise in spatial analysis, data visualization, and mapping solutions. Passionate about leveraging technology and data to solve complex challenges and deliver meaningful outcomes.

## 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 Geospatial Software Developer, GeoBrad.dev

2024 - Present

- Founded GeoBrad.dev, developing customized web and mobile geospatial applications leveraging open-source technologies (React, React Native, Django) and publicly available datasets to address complex spatial problems.
- Collaborated pro bono with nonprofits, NGOs, activists, and academic institutions to build innovative spatial analysis tools, interactive maps, and data visualization platforms designed to promote social impact and policy advocacy.
- Designed and implemented geospatial data platforms using GeoDjango and PostGIS, improving accessibility and usability of spatial data for diverse stakeholders.
- Provided technical consulting and training to social-impact organizations, empowering teams to utilize geospatial technologies effectively for decision-making and community engagement.
- Led interdisciplinary projects combining geospatial analysis, software development, and international relations expertise to deliver actionable insights and support meaningful social and

environmental causes.

## **Full Stack Developer, DevCorps, National Geospatial-Intelligence Agency 2023 - Present**

Developed interactive, responsive web applications supporting the Aeronautical Safety and Navigation Office, significantly improving data accessibility and decision-making.

Implemented robust back-end services using FastAPI and PostgreSQL, ensuring efficient handling and integration of complex data.

Established comprehensive automated testing suites using Jest to ensure software reliability, and configured GitLab CI/CD pipelines to streamline deployment and maintain continuous integration and continuous delivery workflows.

## **Geospatial and Imagery Analyst, National Geospatial-Intelligence Agency 2010 - 2022**

Conducted advanced geospatial and imagery analysis supporting counterterrorism, counterproliferation, and time-dominant intelligence operations.

Provided direct analytical support to FBI and DIA missions, enhancing operational effectiveness and informed decision-making.

Served in overseas assignments at U.S. Embassies in Baghdad and Riyadh, United States Forces Korea, and with the U.S. Navy's 7th Fleet, directly contributing to mission-critical intelligence outcomes and diplomatic efforts.

## **Education**

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

Master of Arts in International Relations, Webster University, 2019

Master of Science in Geospatial Data Science, Penn State University, 2022

## **Certifications**

Graduate Certificate in Geospatial Programming and Web Map Development

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