

John J Czaplewski

Mapper | Software Engineer

@johnjcz
johnjcz.com
github.com/jczaplewski
john@czaplewski.org

Experience

Senior Software Engineer / Manager - Gaia GPS - February 2019 to Present

Build and maintain web map used by 500k users/month. Design and build data processing infrastructure for maps. Manage AWS infrastructure for the company at large. Act as technical lead for the web platform. Manage and mentor a team of 5 engineers. Help triple revenue and headcount in 2 years.

www.gaiagps.com/map/

Programmer Analyst - University of Wisconsin Geoscience - May 2013 to February 2019

Lead engineer of Macrostrat, an NSF-funded project. Design, build, and implement full-stack web and mobile applications, including database design, API authoring, and front-end development. Create open source tools and utilities to enable scientific research. Develop machine learning library for automatically extracting figures and maps from PDFs.

rockd.org • macrostrat.org/map • paleobiodb.org/navigator • macrostrat.org/api

Spatial IT Research Intern - CFIRE - Oct. 2012 to Apr. 2013

Support freight infrastructure research by creating map-based visualizations using Leaflet, D3, and Python.

GIS/Web Support Technician - Wisconsin State Cartographer's Office - Nov. 2011 to Jan. 2013

Maintain online GIS databases and custom web mapping applications. Thoroughly document procedures and metadata using internal wiki. Support long term projects and publications with research and design expertise. Build a custom web mapping application using Leaflet and PostGIS.

Education

University of Wisconsin - Madison

Graduate Certificate, GIS Dec. 2012
Bachelor of Arts, Political Science May 2011

