

John C. Zastrow

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Summary

GIS and Information Technology project manager with over 13 years of professional success applying technology in environmental and geospatial disciplines; including more than nine years of experience in all phases of the software life cycle. Self directed, enthusiastic professional with a deep understanding of modern approaches and commitment to quality project planning and execution. Provides innovative product vision and group leadership skills including team building, and mentoring. Experienced in leading the development of government software (web, desktop, mobile), GIS needs, and enterprise geographic/tabular data management and analysis with deep expertise in the latest technologies.

Relevant Employment Experience

*Tetra Tech, Inc.,
Fairfax, VA &
Portland, ME
April 2002 - Present*

Project Manager/GIS Database Group Manager

Managed tasks and projects involving software development, data analysis and data management for internal and government clients with a focus on GIS-related projects. Maintained Linux server platforms and provided guidance to corporate and local IT administrative staff. Acted as water quality and GIS subject matter expert. Recent clients include US Forest Service; US Navy, US Marine Corps, US Army Corps of Eng., US Air Force, US EPA; state agencies in Arizona, California, Colorado, Florida, New Mexico, Texas, Utah; Western Gov's Assoc; county agencies in Fairfax, VA; Montgomery and Prince George's County, MD; Macomb, MI; and Navajo and Cherokee Nations

- Strong planning, team building, communication, IT analytical skills in a range of technical arenas
- Deep understanding of server and desktop ESRI and open source geospatial technologies
- Experienced in full project life cycle throughout proposal development, costing, planning, execution, closeout, and preparation for follow-on phases.
- Mentored and supervised staff of GIS analysts and developers for 9 years
- Formed and led active GIS community of practice with nearly 200 practitioners within Tetra Tech\ Subject matter expert on water quality data management and analysis, aquatic/toxicology, geospatial data collection, analysis and management
- Led all phases of system lifecycle including formal requirements collection, technology architecture, design, quality assurance, and training
- Developed software requirements, vision, and designs including formal and informal artifacts
- Supervised GIS and database teams, responsible for group development and planning
- Directed client management; presented concepts; managed communication
- Managed contracts, budgets; monitored progress and deliverables
- Lead teams of 2 to 6 people, with project time lines from one month to three years
- Secret Security Clearance
- PMI PMP Project manager (Since 2006)

*The SeaCrest
Group
February 1995 -
July 1998*

Laboratory Technician / Lead GIS Operator

Managed geospatial projects relating to environmental data interpretation and presentation for impact assessment of various international commercial oil and gas operations. Also conducted regulatory and exploratory aquatic toxicology testing for US and international commercial and municipal clients.

- Conducted geospatial analysis and generated geographical datasets/cartographic products for studies of impact from oil and gas operations
- Presented analysis results in print and electronic publication (including web and interactive CD-ROM atlases)
- Provided trip planning and logistical support for international field investigations; Managed field sampling logistical preparation, sample receipt and handling, laboratory supply inventories
- Performed standardized and custom toxicity testing with various saltwater and freshwater species, cultured organisms, developed SOPs
- Led geospatial and tabular data analysis for environmental studies with survey and remote sensing data covering hundreds of square kilometers and involving land, wetland and rivers
- Conducted standard, and assistant in the development of new, Toxicant Identification Protocols for saltwater, freshwater and sediment animals and a range of pollutants
- Cultured all freshwater and marine species used in the laboratory for testing and feeding

- Conducted standard and specialized water chemistry analysis

Education

- P.M.P, Project Management Professional, George Mason University, Project Management Institute, 2006
- Graduate certificate, Urban GIS, University of Wisconsin, Milwaukee, WI, 2001
- M.S., Biology, University of Wisconsin, Milwaukee, WI, 2001
- B.A., Biology, University of Colorado, Boulder, CO, 1995

Honors & Awards

- Paul J Frederick Graduate Fellowship. Spring 1999 - Fall 2001. Awarded for water quality research in the Great Lakes
- Clifford H. Mortimer Scholarship. Spring 2000. Awarded in recognition of studies to advance the field of limnological science

Publications & Presentations

- Brooks, A.S.; J. T. Lehman; J.C. Zastrow (1999). *Great Lakes Region Water Ecology Sector Report*. U.S. National Assessment: The Potential Consequences of Climate Variability and Change.
- Zastrow, J.C. (2001). Photoacclimation of the diatom *Asterionella formosa*. University of Wisconsin - Milwaukee Graduate Publications
- Brooks, A. S.; J. C. Zastrow (2002). The Potential Influence of Climate Change on Primary Production in Lake Michigan. *Journal of Great Lakes Research*