

Project Geochemist

Expertise Geochemistry, IT Application Architecture, International Project Management

Education D.E.A. [Master's] (Applied and Fundamental Geochemistry), 1999
Université de Paris VII, Paris, France
B.S. (Chemistry), 1998
Arizona State University, Tempe, Arizona, USA

Professional Experience

2024 – Present	ITASCA Denver, Remote Project Geochemist
2023 – 2024	NewFields, Remote Staff Geochemist
2017 – 2023	Sogeti, Paris, France Enterprise Architect
2010 – 2017	Bull (an Atos company), Paris, France Senior IT Project Manager
2000 – 2007	Atos, Paris, France Software Programmer and Functional Consultant
1998 – 1999	Institut de Physique du Globe, Université de Paris VII, Paris, France Master's Research Assistant
1994 – 1998	Arizona State University/Stanford Synchrotron Radiation Laboratory Student Research Assistant

Project Experience

Field Sampling: Elaboration of field sampling plans and procedures, including designing a bromide tracer study to determine the hydraulic connectivity between an underground tunnel and a creek. Field sampling for water quality monitoring on an EPA-CERCLA project.

Characterization: Participated in the chemical and structural analysis of sediments from the tri-state mining district (Arizona, Colorado, and New Mexico) to predict the reactivity to various precipitants for a future remediation effort. Produced technical documents in hard rock mining to reach project objectives using strong data analysis, data validation, and technical writing skills: characterization studies, work plans, and data gap analyses and laboratory directives.

Modeling: Performed groundwater quality modeling for mining clients with source loading terms from underground wall rock, waste rock backfill, and cemented paste backfill toward permitting.

Technical expertise includes both geochemistry-specific and IT tools, including *PHREEQC*, Geochemist's Workbench, PostGres, and Oracle databases. Designed and implemented IT application architectures to achieve strategic and operational objectives across multiple industries on French, European, and international projects.