

ORGANIZATION ROLE

Senior Software Engineer

PROJECT ROLE / FOCUS AREAS

Full-stack engineer

Web application development

Structured Decision Making

EDUCATION

BS Physics, University of Bristol

CERTIFICATIONS

AWS Certified Cloud Practitioner, July 2024

Certified Scrum Master (CSM), 2020

WILLIAM CHISLETT

Senior Software Engineer

William Chislett is a senior software engineer who works to build and maintain stable, resilient web applications at The Water Institute. His work has significant impact on end-users' experience and satisfaction and directly contributes to expanding the impact of The Water Institute's cutting-edge science. He is currently working on EnDMC and the Avian Monitoring Portal.

William has over a decade of experience as a full-stack engineer and technical leader with experience designing, building, and scaling web applications. Through his professional experience as a software engineer, web developer, and python developer, William has solved complex issues regarding performance and stability of programs, developed multiple data integration projects, and focused on both backend and frontend applications. He has deep expertise in Python, React, and cloud-native systems. William has a Bachelors of Science in Physics from the University of Bristol and is a certified AWS Cloud Practitioner and Scrum Master.

PROFESSIONAL EXPERIENCE

2026-Present: Senior Software Engineer, The Water Institute

2024-2026: Staff Software Engineer, Sitetracker

2023-2024: Software Development Manager, Stem Inc.

2020-2023: Senior Software Engineer, AlsoEnergy/Stem Inc.

2018-2020: Senior Developer, Durable Digital

2016-2018: Senior Developer, Nielsen (formally "Sorenson")

2013-2016: Full-Stack Web Developer, Durable Digital

2011-2013: Junior C++/Python Developer, BAE Systems Detica

SELECTED PROJECTS

Avian Data Monitoring Portal. *Deepwater Horizon Regionwide and Louisiana Trustee Implementation Groups (Ongoing).* Software Engineer. Assisting in the development and continuation of the Avian Data Monitoring Portal, a geospatially enabled online portal that enables users to explore colonial waterbird survey data and imagery collected across the northern Gulf since 2010.

Environmental Data and Model Catalog (EnDMC). *The Water Institute (2026-Present).* Software Engineer. Assisting and improving the end users' experience of the Environmental Data and Modeling Catalog (EnDMC). EnDMC fosters ease of discoverability and preservation of data for complex environmental modeling tasks.