

Mark Raybuck

MOBILE APP AND DATABASE DEVELOPMENT

Mark Raybuck is a mobile computing technology leader with a primary emphasis on integration of mobile devices for data collection, geographic information systems and mapping, and spatial analysis. Currently developing and deploying augmented and virtual reality applications for infrastructure, architecture, engineering, and environmental fields.

WORK EXPERIENCE

Mobile Computing and Augmented/Virtual Reality Technology Leader. Developed, tested, and promoted innovative uses and applications for mobile devices for multiple clients, including mobile forms, database connectivity, and mapping and geographic information system integration. Augmented and virtual reality applications for infrastructure and environmental projects, including 3D representation of above-ground and subsurface features.

Mobile Computing Leader. Confidential Chemical Manufacturing Company. Developed and deployed mobile forms for a residential water supply investigation, where mobile devices were used in the field to collect critical information on numerous individual private properties, with real-time data transmission to a web portal and database.

Mobile Technology Task Leader. Gary Development Landfill Superfund Site, Gary, Indiana. Designed and deployed a series of mobile, digital forms to enhance productivity and data collection at a USEPA Superfund Site. Also integrated mobile geographic information systems for near real-time spatial data collection and analysis.

Mobile Technology Task Manager. Pacific Gas and Electric Company, Natural Gas Gathering Portfolio Groundwater Monitoring and Operations and Maintenance, California. Led the development of interactive forms, including groundwater sampling, sparging and vapor extraction system inspection, and electronic chain-of-custody forms, using Microsoft InfoPath and Adobe Acrobat for mobile device data collection and transmission to SharePoint Web portals.

Mobile Technology Task Manager. Chevron Environmental Management Company. Led the creation and deployment of several data collection forms for mobile devices, including groundwater sampling, well gauging, site and hazardous waste inspection forms.

Mobile Technology Task Leader. Dow Chemical Company, Moss Point Operations and Maintenance, Moss Point, MS. Developed an electronic laboratory chain-of-custody for deployment on mobile devices for a groundwater monitoring project. Facilitated accurate, valid data entry and rapid submission to the laboratory.



YEARS OF EXPERIENCE

35

EDUCATION

Master of Arts, Geology, State University of New York at Binghamton

Bachelor of Science, Geology, State University of New York at Binghamton

REGISTRATIONS/CERTIFICATIONS

Professional Geologist, PA

Project Manager Certification, Parsons

COURSEWORK/TRAINING

JavaScript and HTML Coding

Advanced Hydrogeology, Syracuse University