

Art Botterell

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Summary

Art Botterell is an experienced expert in mobilizing technology and systems to help communities and individuals cope with sudden and unexpected change.

Professional Experience

- 2016 – Present **Senior Emergency Services Coordinator**
California Governor's Office of Emergency Services, Sacramento, California
Coordinating and planning for state public warning capabilities, training State and local staff in public warning procedures and practices, drafted first-ever integrated public warning plan for the State. Reviewing and approving Operational Area (county) and local IPAWS applications. Providing technical support to California Early Earthquake Warning program.
- 2014 - 2016 **Staff Programmer Analyst**
California Department of Justice, Sacramento, California
Programmed, tested and maintained software for the statewide Criminal Justice Information System. Technologies used include Oracle 12c, PL/JQL, Java, Spring MVC, jQuery, Angular.js, Node.js.
- 2013 - 2014 **Technical Director, Disaster Management Systems**
Raydant International, Ltd., Fairfield, California / Bangkok, Thailand
Led international team in design of emergency operations, disaster communications, public warning and emergency information systems.
- 2010 – 2013 **Disaster Management Consultant**
Carnegie Mellon University Silicon Valley, NASA Ames Research Park, Moffett Field, California
Provided subject matter expertise to Disaster Management Initiative at Carnegie Mellon's campus in California. Directed design, implementation and operation of Next Generation EOC workspace and systems in partnership with NASA. Led staff and students on development of Delay Tolerant Networking for unmanned air vehicles in disasters. Co-authored academic papers on emergency communications and workspaces. Provided consultation to DHS Science and Technology Directorate on wireless emergency alerts (WEA). Served on DHS First Responder Resource Group.
- 2009 – 2010 **Special Technical Expert**
Joint Interoperability Test Command, Indian Head, Maryland (via ManTech International Corp.)
Provided expert advice and technical support to the Defense Information Systems Agency in support of FEMA's Integrated Public Alert and Warning System (IPAWS). Provided guidance on IPAWS network architecture, security and training. Participated in National EAS trial exercise in Alaska and developed instrumentation designs for future national tests. DoD TS/SI/TK clearance.

Art Botterell Resume: Continued

2006 – 2009

Community Warning System Manager

Office of the Sheriff, Contra Costa County, Martinez, California

Managed technology, staff and contractors of an advanced industry-funded public warning system integrating sirens, broadcast alerts, NOAA weather radio, telephone notification, Internet-based alerting and social media. Served on numerous advisory bodies including: Federal Communications Commission design committee for wireless mobile alerting; National Academies of Science study panel on information technology in the future of emergency management; National Center for Accessible Media study on alerting for special-needs populations; Statewide Interoperability Executive Committee.

Art Botterell Resume: Continued

- 2000 – Present **Emergency Information Systems Consultant**
Fairfield, California
Providing EOC and emergency information system planning, technical, evaluation and training services to clients including the Department of Homeland Security, Department of Defense, National Geospatial Intelligence Agency, California Governor's Office of Emergency Services, Emergency Management Australia, Ministry of Home Affairs of Singapore, European Research Executive Agency and United Nations Development Program. Designed and led standardization and adoption of the Common Alerting Protocol (CAP).
- 1999 – 2000 **Emergency Information Systems Project Manager**
Governor's Office of Emergency Services (OES), Sacramento, California
Managed design, construction and operation of the Governor's "Y2K" Joint Information Center (JIC). Managed renovation of the statewide Emergency Digital Information Service and developed new operational data communication systems for the State Warning Center in Sacramento.
- 1997 – 1999 **Executive Producer, Digital Media**
Anderson & Lembke Advertising, San Francisco, California
Led designers and programmers in producing award-winning Internet advertising and training content for Microsoft and other clients.
- 1995 – 1997 **Public Affairs Specialist**
Federal Emergency Management Agency (FEMA), Washington, D.C.
Designed, deployed and managed FEMA's broadcast systems for disaster public information. Managed broadcast logistics and operations after 1995 Hurricane Marilyn in the U.S. Virgin Islands and 1997 flooding in Grand Forks, ND among others. Led Joint Information Center operations and trained FEMA PAOs in multiple disasters.
- 1988 – 1995 **Assistant Chief, Telecommunications Division**
Governor's Office of Emergency Services, Sacramento, California
Built, maintained and deployed voice and data communication systems for emergency response. Designed and built statewide Emergency Digital Information Service (EDIS) for emergency public information. Maintained and managed regional and state Emergency Operations Centers. Developed first OES website (1994). Supported planning and deployment of statewide satellite communications network. Deployed emergency communications during numerous disasters including the 1989 Loma Prieta earthquake and the 1991 Oakland Hills firestorm. Chief Engineer of joint FEMA/OES public information radio and TV broadcasts after the 1994 Northridge (Los Angeles) earthquake.

Education, Certifications and Other Activities

- Humanity Road (global NGO using social media in disasters)—Board of Directors (2012-Present)
- Proficient in information technology management and software development (Java, C, Python, JavaScript, HTML5 and other languages; Windows, OS X, Linux and Unix operating systems.)
- UC Berkeley Extension, Emergency Management Program—Instructor (1996-98)
- Emergency Management Institute (FEMA)—Instructor, Public Affairs Officer courses (1995-96)
- California Specialized Training Institute—Instructor, Exercise Design, Emergency Operations Center Design, Public Information courses (1990-95)
- Firefighter/EMT—Suisun City Fire Department (1990-94)
- First Class Radiotelephone Operator License – Federal Communications Commission (1974)