

Element 84

Element 84 is a software development firm that designs and develops ambitious software products engineered for high scalability. We work with business and government to create applications and data systems that can help users solve problems and answer big questions. Our recent projects include national movie streaming services, petabyte Earth science and remote sensing repositories, satellite data storage and manipulation, and multi-platform mobile application development.

Clients

NASA

USGS

NSF

UNESCO

USDOT

SeizureTracker

PureFlix

IEEE

Trust for the National Mall

What We've Done

- **OPeNDAP development on MODIS and ASTER satellite products** for NASA and USGS's Earth Resources Observation and Science Center (EROS)
- **Technical design and development of NASA's Earthdata Search**, the flagship search and discovery tool for EOSDIS data
- **Architecture, design, and implementation of NASA's Common Metadata Repository (CMR)**, a high performance, highly scalable inventory of NASA's 16 petabytes of Earth Observation Data
- **Project leadership on the NASA-compliant General Application Platform (NGAP)**, a platform for Earth Science application and data repositories to leverage cloud native architectures and scalability
- **Design and development of UNESCO's Ocean Best Practices Portal**, a website and data backend for searching ocean best practices research and document metadata
- **Design, development, and operations support for the PureFlix application platform**, a multi-device video streaming service focused on family-friendly movies and video content

Why Element 84

- 45+ employees organized into high-caliber, Agile teams
- Deep working experience in a wide variety of development languages, application platforms, and government-compliant cloud computing
- Raytheon Subcontractor Excellence Award
- 2018 NASA Mentor/ProtegeAward.
- Authors of multiple books for various O'Reilly series'
- Winner of a Silver Addy Award
- Inc 5000 award winner
- AWS Advanced Tier Partner
- 91.8% employee retention rate in 2018



Advanced Consulting Partner
Public Sector Partner



Element 84, Inc.

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NAICS Codes

- 541511 Custom Computer Programming Services
- 541330 Engineering Services
- 541512 Computer Systems Design Services
- 541513 Computer Facilities Management Services
- 541519 Other Computer Related Services
- 541712 Research and Development in the Physical Engineering and Life Sciences Except Biotechnology

Associations

- **AGU** (American Geophysical Union)
- **MSBR** (Maryland Space Business Roundtable)
- **ESIP** (Earth Science Information Partners)
- **GCA** (Goddard Contractors Association)

Contract Vehicles

- GSA IT Schedule 70
- NASA SEWP

Recognized thought-leaders and frequent speakers at:

AGU 2011 – 2017

ESA's Living Planet Symposium

2017 AWS Re:Invent

ESIP 2016 – 2019

EUMETSAT's PV2015 Conference

2019 AWS Public Sector Summit

DC Lean Startup

Data Science MD

FOSS4G



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