

## Curriculum Vitae

### Adam Birchfield Jr.

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## Summary of Safety & Health Expertise

Seasoned Safety and Health Professional with experience in managing complex safety operations across diverse industries, including construction, general industry, chemical plants, military, and federal projects. My career spans roles as a Safety Specialist with the US Army Corps of Engineers, where I managed safety program elements, conducted hazard assessments, and provided critical training to personnel at all levels. Contributions also extend to the EM385.1.1 update for the Army Corps of Engineers Headquarters, highlighting my technical decision-making abilities and leadership skills. Prior to my safety career I spent over 10 years working full time as a Basic and then an Advanced Emergency Medical Technician in the state of Indiana.

### Qualifications:

- **In-Depth Expertise:** I have comprehensive knowledge of OSHA regulations, standards, and policies, honed through years of practical experience and continuous professional development.
- **Versatility:** My background encompasses diverse safety areas, including fall protection, scaffolding, crane safety, excavation, accident investigation, and more.
- **Proven Record:** Retained as an expert witness for significant legal cases, including a federal case involving life-changing personal injuries and a state court case related to a construction accident. Both cases settled out of court, further underscoring my established credibility and expertise.
- **Education:** I hold a Bachelor of Science in Occupational Safety and Health from Columbia Southern University and have completed various certifications, including Certified Safety Professional (CSP), Construction Health and Safety Technologist (CHST), and the Professional Certificate in Safety & Occupational Health (US ARMY)
- **Military Foundation:** My prior military service in the United States Navy as a Hospital Corpsman and Fleet Marine Force Corpsman instilled discipline and a unique perspective on emergency management.

### **Areas of Concentration:**

My expertise extends to numerous safety and health areas, including fall prevention, safety training, trenching and excavation, crane operations, and compliance with OSHA and ANSI standards. Well-versed in addressing multi-employer worksites and general contractor/controlling employer safety responsibilities.

### **Litigation Support:**

With a deep understanding of safety regulations and a history of serving as an expert witness, I offer invaluable support in OSHA-related litigation. The ability to provide expert opinions, conduct thorough investigations, and the ability to testify in court ensures that your case benefits from my knowledge and credibility.

### **Training and Certifications:**

Completed a diverse range of training programs and courses, including OSHA courses, safety-specific certifications, and specialized training in various safety-related disciplines.

As an OSHA Expert Witness, I am committed to using my extensive experience and expertise to assist you in matters related to OSHA compliance, safety regulations, and litigation support. My background and qualifications make me a trusted resource for legal professionals seeking an authoritative voice in safety and health matters.

Areas of concentration for expertise include:

- Fall protection, fall prevention, and personal fall arrest systems.
- Scaffolds, platforms, ladders, aerial boom lifts, scissor lifts, MEWPs, working at heights.
- Effective safety training, failure to train, inadequate training, safety training issues.
- OSHA Excavation, Trenching, and Soil Mechanics.
- Accident Investigation & Root Cause Analysis.
- Crane Safety, Critical Pick Planning, & Rigging.
- EM-385-1.1 U.S. Army Corps of Engineers.
- Steel Erection.
- Tunnel Safety.
- Slips, Trips, Falls.
- OSHA and ANSI standards and policies.
- Multi-employer worksites.
- General Contractor/Controlling Employer safety responsibilities.

## Employment

### US ARMY CORPS OF ENGINEERS

JUNE 2023 – PRESENT

#### Safety Specialist

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- Manage safety and occupational health program elements.
- Analyze and evaluate new and existing jobs, processes, products, or other systems to determine the existence, severity, probability, and outcome of hazards.
- Training of workers, supervisors, managers, or other safety and occupational health personnel in safety or occupational health subjects.
- Designing or modifying workplaces, processes, products, or other systems to control or eliminate hazards.
- Fall Protection Instructor for USACE High Hazard Work Group.

### US ARMY CORPS OF ENGINEERS

JANUARY 2023 – JUNE 2023

#### Safety Specialist

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- Chosen for an Army Corps of Engineers HQ assignment for 120 days.
- Assigned to help complete the new EM385.1.1 update.
- Reviewing various chapters of EM385.1.1 dealing with construction
- Updating Figures using AutoCAD
- Creating new forms and tables to be included in the new EM 385
- Attending meetings with senior stakeholders at the Pentagon with Senior Army Leadership, and USACE HQ to be briefed on Occupational Safety & Health changes and updates.

### US ARMY CORPS OF ENGINEERS

2022 – JANUARY 2003

JANUARY

#### Safety Specialist

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- Manage safety and occupational health program elements.
- Analyze and evaluate new and existing jobs, processes, products, or other systems to determine the existence, severity, probability, and outcome of hazards.
- Training of workers, supervisors, managers, or other safety and occupational health personnel in safety or occupational health subjects.
- Designing or modifying workplaces, processes, products, or other systems to control or eliminate hazards.

**SUPERIOR CONSTRUCTION**  
2021 - JANUARY 2022

JUNE

**Contract Safety Manager**

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- Provided safety representation on a large heavy highway project.
- Oversaw and mentored a staff of three safety professionals.
- Trained new employees' on-site orientation, fall protection, and various other safety training needs.
- Daily safety observations throughout the project.
- Daily meeting on safety with stakeholders.

**KELLY SERVICES/DOW CHEMICAL**  
JULY 2019 - JUNE 2021

**Contract Safety Manager/Owner Representative**

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- Oversaw safety logistics within a large chemical plant which centered on planning and executing a safety and occupational health program along with outlining employee safety performance metrics.
- Provided coaching and guidance to staff members regarding proposed safety standards, laws, and corporate guidelines along with technical advances and new industry developments.
- Oversaw multiple subcontractors' safety programs.
- Daily audits and inspections of the construction site to ensure subcontractors were adhering to the contract specifications, Dow Chemicals Safety Plan, and OSHA regulations.

**SAFETY MANAGEMENT GROUP/CUMMINS INC.**  
MARCH 2019 - JULY 2019

**Contract Safety Manager**

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- Provided safety support for a large building remodel project.
- Provided expertise and wrote the job safety analysis for the process of lifting a full-size classic truck into the air and mounting it to the wall on its tires.
- Completed daily audits of tasks and employee behaviors.
- Provided mentoring for subordinate sub-contractor safety professionals.

**APTIM/CHEMOURS CHEMICAL/ FEMA**

JULY 2017 - FEBRUARY 2019

**Contract Safety Manager**

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- Provided operational and safety-focused support to various contractors working on a roof replacement project located in the US Virgin Islands.
- Oversaw safety for a maintenance crew in a large chemical facility.
- Evaluated and planned all safety for the scope of work for projects assigned to our crews.

**AECOM ENERGY & CONSTRUCTION/GM CONSTRUCTION**      SEPTEMBER 2015 - JULY 2017

**Contract Sr. Safety Manager/Owner Representative**

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- Supported safety operations within GM Powertrain Headquarters and Pontiac Stamping Plant which included monitoring projects to ensure safety, utilizing engineering drawings to provide safety specific recommendations, and acting as Project Technical Construction Safety Consultant.
- Assessed internal safety risk and potential hazards, reviewed pre-bid documentation, participated actively in pre-project meetings, and supervised a team of 5 safety professionals.

**DB ENGINEERING/ CITIZENS ENERGY**      OCTOBER 2014 - SEPTEMBER 2015

**Contract Sr. Safety Manager/Owner Representative**

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- Acted as a Technical Safety Resources Deep Rock Tunnel Connector and DRTC Pump Station Project which included identifying risks, creating corrective actions, and auditing safety/fire safety programs.
- Devised both emergency action plans and tunnel boring machine inspection schedules along with successfully creating SOPs related to safety preventive programs.

**WALSH CONSTRUCTION**      JANUARY 2011 - OCTOBER 2014

**Safety Manager**

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- Facilitated safety operations for a large project which required completing job hazard analysis, supervising a group of 2 Interns, and creating a fall protection plan.
- Play a lead role in evaluating blasting plans to ensure adherence with safety plans along with coaching others on safety operations related to bridge and tunnel projects.

**URS/ GENERAL MOTORS**      JUNE 2010 - JANUARY 2011

**Contract Safety Manager/Owner Representative**

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- Led safety functions within a casting plant which included evaluating both prime and sub-contractor site safety plans, pre-task plans, and safety program adherence.
- Reviewed demolition safety planning, completed internal safety audits, and evaluated pre-task plans for both demolition and installation phases.

**TAGGART GLOBAL**

JULY 2008 - JANUARY 2010

**Safety Manager**

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- Coordinated safety standards and programs the organization which included identifying potential cost-savings, creating staff safety initiatives, and monitoring worker's compensation claims.
- Provided safety training and orientation to new team members, worked closely with various community agencies such as Fire Departments, and evaluated safety plans.
- Designed and implemented specific safety plans which included emergency action plans and confined space training.

**URS/GENERAL MOTORS**

JULY 2007- JULY 2008

**Construction Project Engineer/Owner Representative**

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- Facilitated construction tasks within a large die-casting plant which centered on monitoring safety for various projects completed by a crew of 43 individuals.
- Recognized as Document manager for AutoCAD and Raster drawings along with overseeing the document control process for plant LOTO program drawings.

**Military Service**

**United States Navy**

- Hospital Corps School, Great Lakes Illinois.
- Hospital Corpsman, Emergency Room Naval Hospital, Pensacola, Florida
- Field Medical Service School, Camp Johnson, North Carolina
- Fleet Marine Force Corpsman, 8<sup>th</sup> Engineers, 2<sup>nd</sup> Fleet Service Support Group, Camp Lejeune, North Carolina

**Education**

**Bachelor of Science**, Occupational Safety & Health.  
COLUMBIA SOUTHERN UNIVERSITY, ORANGE BEACH, AL  
**Certificates**, EMT, Advanced EMT  
IVY TECH STATE COLLEGE, MADISON, INDIANA

**1. BOARD OF CERTIFIED SAFETY PROFESSIONALS**

1.1 CERTIFIED SAFETY PROFESSIONAL, #CSP-31937 AWARDED 10/15/2016.

- 1.2 ASSOCIATE SAFETY PROFESSIONAL, #ASP-23703 AWARDED 5/18/2015.
- 1.3 CONSTRUCTION HEALTH & SAFETY TECHNOLOGIST, C3243 AWARDED 02/05/2013.
- 2. UNITED STATES ARMY**
  - 2.1 PROFESSIONAL CERTIFICATE IN SAFETY & HEALTH, 2023-003 AWARDED 01/10/2023
  - 2.2 CERTIFICATE IN SAFETY INVESTIGATION BOARD TRAINING, 03/7-9/2023
  - 2.3 CERTIFICATE OF COMPLETION IN WEAPONS SAFETY, 02/20/2022
  - 2.4 CERTIFICATE OF COMPLETION IN SAFE RANGE OPERATIONS, 02/19/2022
  - 2.5 CERTIFICATE OF TRAINING RANGE SAFETY COURSE, 02/20/2022
  - 2.6 CERTIFICATE OF COMPLETION RISK MANAGEMENT CIVILIAN BASIC COURSE, 11/25/2022
  - 2.7 INTRO TO EXPLOSIVE SAFETY MANAGEMENT FOR SAFETY PROFESSIONALS, 1/17/2024
- 3. UNITED STATES ARMY CORPS OF ENGINEERS**
  - 3.1 CERTIFICATE IN CONSTRUCTION QUALITY MANAGEMENT FOR CONTRACTORS, 08/28-29/2023
  - 3.2 CRANE SAFETY TRAINING COURSE, 04/18-22/2022
  - 3.3 24-HOUR FALL PROTECTION COMPETENT PERSON TRAINING, 9/22-24/2023
  - 3.4 DESIGNATION OF LOAD HANDLING EQUIPMENT (LHE) EXPERT FOR LOUISVILLE DISTRICT, VA DIVISION, 06/16/2022
  - 3.5 DESIGNATED AS FALL PROTECTION COMPETENT PERSON INSTRUCTOR FOR USACE FALL PROTECTION HIGH HAZARD WORK GROUP.
- 4. NATIONAL ASSOCIATION OF SAFETY PROFESSIONALS**
  - 4.1 FALL PROTECTION AND ELEVATED STRUCTURES SAFETY TECHNICIAN, 01/03/2013
- 5. IVY TECH STATE COLLEGE**
  - 5.1 ADVANCED EMERGENCY TECHNICIAN 7/21/1994
- 6. OSHA TRAINING INSTITUTE, HEARTLAND CENTER**
  - 6.1 OSHA 500, TRAINER COURSE IN OSHA CONSTRUCTION STANDARDS, 10/28/2011
  - 6.2 OSHA 500, TRAINER COURSE IN OSHA CONSTRUCTION STANDARDS, 03/13/2008
- 7. STATE OF MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY**
  - 7.1 STORM WATER MANAGEMENT OPERATOR
- 8. RIGGING INSTITUTE**
  - 8.1 QUALIFIED RIGGING INSPECTOR 08/22-23/2011
  - 8.2 COMPETENT LEVE 2 RIGGER 08/24-25/2011
- 9. OSHA TRAINING INSTITUTE, ROCKY MOUNTAIN EDUCATION CENTER**
  - 9.1 OSHA 501, TRAINER COURSE IN OCCUPATIONAL SAFETY & HEALTH STANDARDS FOR GENERAL INDUSTRY
- 10. KENTUCKY OFFICE OF OCCUPATIONAL SAFETY AND HEALTH**
  - 10.1 POWERED INDUSTRIAL TRUCKS, 12/28/2017
  - 10.2 LEAD AWARENESS, 12/28/2017
- 11. GRAND VALLEY STATE UNIVERSITY**
  - 11.1 OSHA 30-HOUR CONSTRUCTION SAFETY COURSE, 11/29/2008
- 12. THE WALSH GROUP DEPARTMENT OF CAREER DEVELOPMENT**
  - 12.1 TRENCH SAFETY SOLUTIONS, 09/19/2011
  - 12.2 MOBILE CRANE INSPECTION, 08/16/2011
  - 12.3 CONFINED SPACE AWARENESS 09/10/2013
  - 12.4 OSHA 30 HOUR FOR CONSTRUCTION, 01/17/2013

- 12.5 CRANE ASSEMBLY/DISASSEMBLY DIRECTOR 05/05/2012
- 12.6 STEEL ERECTION - SPECIAL FALL HAZARD TRAINING FOR CONNECTORS 11/14/2012
- 12.7 OSHA 30 HOUR FOR CONSTRUCTION, 01/31/2011
- 12.8 CRANE HAND SIGNALS AND RIGGING AWARENESS TRAINING 02/08/2011
- 12.9 FALL PROTECTION - COMPETENT PERSON 11/12/2012
- 12.10 STEEL ERECTION - MULTIPLE LIFT RIGGING PROCEDURES 11/14/2012
- 12.11 CRANE SAFETY AWARENESS CLASS 02/14/2013
- 13. AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION**
  - 13.1 CERTIFIED FLAGGER INSTRUCTOR 08/13/2021
- 14. TAGGART GLOBAL**
  - 14.1 NFPA 70 E STANDARDS FOR ELECTRICAL SAFETY IN THE WORKPLACE 08/04/2009
- 15. COLUMBIA SOUTHERN UNIVERSITY**
  - 15.1 CERTIFIED INDUSTRIAL HYGIENE MANAGER #102195, 01/05/2005
- 16. GARCIA CONSTRUCTION**
  - 16.1 40 HOUR HAZWOPER, 11/01/2010
- 17. AMERICAN SOCIETY FOR HEALTH CARE ENGINEERS**
  - HEALTH CARE CONSTRUCTION WORKSHOP, 9/26-27/2022
- 18. OSHA EDUCATION CENTER AT THE UNIVERSITY OF TEXAS AT ARLINGTON**
  - 18.1 OSHA 510, OS&H STANDARDS FOR CONSTRUCTION, 08/03/2023
  - 18.1 SAFETY & HEALTH PROGRAM MANAGEMENT, 04/13/2023
- 19. RED VECTOR TRAINING**
  - 19.1 OSHA SAFETY: STAIRWAYS AND LADDERS
  - 19.2 INCIDENT REPORTING AND INVESTIGATION
  - 19.3 ASBESTOS AWARENESS IN GENERAL INDUSTRY
  - 19.4 BASIC ELECTRICAL SAFETY
- 20. AECOM UNIVERSITY**
  - 20.1 HYDROGEN SULFIDE AWARENESS 11/15/2015
- 21. DERBY CITY SAFETY**
  - 21.1 OSHA LEAD IN CONSTRUCTION TRAINER, 05/02/2018
  - 21.2 OSHA LEAD IN CONSTRUCTION, 05/01/2018
- 22. UNITED RENTALS**
  - 22.1 6-HOUR TRENCH AND EXCAVATION SAFETY, 08/20/2014
- 23. DEPARTMENT OF LABOR MINE SAFETY & HEALTH ADMINISTRATION**
  - 23.1 HEALTH AND ACTIVITY CERTIFICATION, SURFACE CERTIFIED. 10/02/2009
- 24. OSHA**
  - 24.1 OSHA 30 HOUR FOR CONSTRUCTION, 11/09/2008
  - 24.2 FALL PROTECTION COMPETENT PERSON REFRESHER, 2023
  - 24.3 NATIONAL SAFETY STAND-DOWN TO PREVENT FALLS IN CONSTRUCTION, 2023
- 25. OSH ACADEMY**
  - 25.1 40-HOUR EM385-1.1 CONSTRUCTION SAFETY HAZARD AWARENESS. 01/01.2022
  - 25.2 7-HOUR CONFINED SPACE PROGRAM, #132992 08/25/2013.
  - 25.3 5-HOUR CONFINED SPACE SAFETY IN CONSTRUCTION, #132992 04/27/2021.
  - 25.4 5-HOUR TRENCH AND EXCAVATION SAFETY, #132992 08/25/2013
  - 25.5 8-HOUR FALL PROTECTION IN CONSTRUCTION, #132992 10/23/2014
  - 25.6 7-HOUR FALL PROTECTION PROGRAM, #132992 02/18/2012
  - 25.7 5-HOUR SAFE SCAFFOLD ERECTION AND INSPECTION, #132992 03/05/2021

25.8 6-HOUR INTRODUCTION TO OSH TRAINING, #132992 08/26/2013

25.9 4-HOUR OSH TRAINING DEVELOPMENT, #132992 02/19/2012

**26. UDEMY**

26.1 OSHA SAFETY PRO: TRENCHING, EXCAVATION & SOIL MECHANICS, 12/8/2023

**27. VANDERBILT UNIVERSITY**

27.1 CERTIFICATE IN PROMPT ENGINEERING FOR CHATGPT