



## Zane Sadik

PE, CGC, DFE

Director of Engineering

### Department

Tel: (302) 562-3209

Email: zane.sadik@yaeservices.com

### Locations

Jacksonville, FL

## Biography

Zane Sadik is a forensic engineer with over fifteen years of experience in various civil/structural, coastal, and construction investigations. His previous work in engineering and construction has included projects with a wide range of complexity, from small projects to leading construction over 100M. Projects have ranged from single-family home additions to tilt-up designs to wastewater treatment plants, port and harbor design and construction services, new railroad yards, and various projects in between. His drive for continuous improvement has made him a great leader in automation initiatives and has helped him to implement drone and 3d capabilities from numerous litigation cases. His experience with both design and construction, the ability to learn and implement new technologies, disaster response, and on-the-ground decision-making experience have helped clients of all kinds with this unique experience and the general ability for problem-solving.

## Credentials

- PE | Professional Engineer
- CGC | Certified General Contractor
- DFE | Board Certified Diplomate in Forensic Engineering
- PMP | Certified Project Management Professional
- Certified Project Management Professionals
- FAA Certified Drone Pilot
- HAAG Certified Inspector - Residential and Commercial
- Occupational Safety & Health Administration Certificate
- OSHA 40-Hour HAZWOPER
- OSHA 30-Hour Construction
- OSHA 30-Hour General Industry
- Wind Certified Umpire
- Wind Certified Appraiser

## Representative Consulting Assignments

- Civil/Structural | Investigation of hail, wind, storm, and construction related damages to residential, commercial, and industrial roofing systems.
- Construction Defects | Investigation of Commercial and residential construction defect cases ranging from single family homes to wastewater treatment plants.
- Civil/Structural | Determination of the cause and extent of water intrusion, moisture, and related damages as well as cost to repair.
- Premise Liability | Investigation of various premise liability cases ranging from commercial to residential properties.
- Civil/Structural | Determination of the cause, extent, and reparability of structural failures, construction deficiencies, and various impact damages to structures.
- Coastal / Structural / Automation / Fire | Determination of the cause, extent, and reparability of specialty medical prebuilt structures related to the medical marijuana industry.
- Civil/Structural | Investigation of residential and commercial window and

- door system failures following severe wind, tornado, and hurricane events.
- Catastrophe | Investigation of residential, commercial, and industrial structures for wind and flood-related damages following various hurricanes.
- Railroad | Various railroad accidents or derailments involving injury, loss of life, or damage to project and causation.
- Railroad | Expert witness services including depositions, trials, mediation, and settlement negotiations.

## Professional Experience

- 2023 - Current | Senior Managing Engineer | YA Engineering Services
- 2021 - 2023 | Principal Forensic Engineer | Charles Taylor Engineering Technical Services-Building and Construction
- 2018 - 2021 | Forensic Engineer | CED Technologies Inc.
- 2015 - 2018 | Engineer | CSX Transportation, Inc.
- 2014 - 2015 | Black Belt | CSX Transportation, Inc.
- 2012 - 2014 | Leads Field Manager | CSX Transportation, Inc.
- 2008 - 2012 | Structural Engineer | JMT Inc.
- 2007 - 2008 | Structural Engineer | Morabito Consultants

## Area of Practice

- ADA Compliance Assessment
- Bridge Engineering
- Building Code Upgrade Review
- Building Envelope
- Condition Assessment
- Construction Administration
- Damage Assessment
- Earthquake Engineering
- Failure Analysis
- HVAC and Mechanical Systems
- Historic Preservation
- Litigation Support
- Marine Structures
- Non-Destructive Testing
- Plumbing Systems
- Repair and Rehabilitation Design
- Repair Cost Estimating
- Roofing
- Structural Analysis
- Water Leakage Testing and Analysis

## Education

- John Hopkins University - Master of Science - Civil Engineering - Baltimore - Maryland
- University of Delaware - Bachelor of Science - Civil Engineering - Newark - Delaware

## Licenses

- 38570-E - Alabama - Professional Engineer
  - 81451 - Arizona - Professional Engineer
  - 22302 - Arkansas - Professional Engineer
  - PE.0063621 - Colorado - Professional Engineer
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- PEN.0037301 - Connecticut - Professional Engineer
  - 14834 - Delaware - Professional Engineer
  - PE921940 - District of Columbia - Professional Engineer
  - 74973 - Florida - Professional Engineer
  - CGC1527397 - Florida - Certified General Contractor
  - PE044864 - Georgia - Professional Engineer
  - 37408 - Kentucky - Professional Engineer
  - 44293 - Louisiana - Professional Engineer
  - PE18430 - Maine - Professional Engineer
  - 41456 - Maryland - Professional Engineer
  - 58795 - Massachusetts - Professional Engineer
  - 32512 - Mississippi - Professional Engineer
  - 24GE05793700 - New Jersey - Professional Engineer
  - 105671 - New York - Professional Engineer
  - 049120 - North Carolina - Professional Engineer
  - PE.90070 - Ohio - Professional Engineer
  - PE079776 - Pennsylvania - Professional Engineer
  - PE.0015155 - Rhode Island - Professional Engineer
  - 38484 - South Carolina - Professional Engineer
  - 122937 - Tennessee - Professional Engineer
  - 143761 - Texas - Professional Engineer
  - 402051193 - Virginia - Professional Engineer
  - 025071 - West Virginia - Professional Engineer
  - 28463 - Puerto Rico - Professional Engineer
  - 1773-E - U.S. Virgin Islands - Professional Engineer
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