ZANE SADIK

Director of Engineering
PE, CGC, DFE

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EMAIL
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LOCATION
Jacksonville, FL

BIOGRAPHY

Zane Sadik is a forensic engineer with over 15 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** | PMP | Certified Project Management Professional
- **PMP** | Certified Project Management Professionals
- FAA Certified Drone Pilot
- HAAG Certified Inspector - Residential and Commercial
- **OSHA** | Occupational Safety & Health Administration Certificate
- **OSHA** | OSHA 40-Hour HAZWOPER
- **OSHA** | OSHA 30-Hour Construction
- **OSHA** | 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 repairability of structural failures, construction deficiencies, and various impact damages to structures.
- Coastal / Structural / Automation / Fire | Determination of the cause, extent, and repairability 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.

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- **2012 - 2014** | Leads Field Manager | CSX Transportation, Inc.
- **2008 - 2012** | Structural Engineer | JMT Inc.
- **2007 - 2008** | Structural Engineer | Morabito Consultants

PRACTICES & SKILLSETS

- ADA Compliance Assessment
- Condition Assessment
- Construction Administration
- Failure Analysis
- HVAC and Mechanical Systems
- Historic Preservation
- Marine Structures
- Plumbing Systems
- Roofing
- Structural Analysis
- Water Leakage Testing and Analysis
- Premises Liability
- Construction Zone Safety
- Slip and Fall Evaluations
- Drone Pilot
- Schedule Analysis
- Graphics & Animation

EDUCATION

- John Hopkins University - Master of Science (MS) - Civil Engineering - Baltimore, Maryland
- University of Delaware - Bachelor of Science (BS) - Civil Engineering - Newark, Delaware

AFFILIATIONS

- National Society of Professional Engineers (NSPE)
- National Academy of Forensic Engineers (NAFE)

LICENSES

- Professional Engineer (PE) - Alabama - License #38570-E
- Professional Engineer (PE) - Arizona - License #81451
- Professional Engineer (PE) - Arkansas - License #22302
- Professional Engineer (PE) - Colorado - License #PE.0063621
- Professional Engineer (PE) - Connecticut - License #PEN.0037301
- Professional Engineer (PE) - Delaware - License #14834
- Professional Engineer (PE) - District of Columbia - License #PE921940
- Professional Engineer (PE) - Florida - License #74973
- General Contractor - Florida - License #CGC1527397
- Professional Engineer (PE) - Georgia - License #PE044864
- Professional Engineer (PE) - Kentucky - License #37408
- Professional Engineer (PE) - Louisiana - License #44293
- Professional Engineer (PE) - Maine - License #PE18430
- Professional Engineer (PE) - Maryland - License #41456
- Professional Engineer (PE) - Massachusetts - License #58795
- Professional Engineer (PE) - Mississippi - License #32512
- Professional Engineer (PE) - New Jersey - License #24GE05793700
- Professional Engineer (PE) - New York - License #105671
- Professional Engineer (PE) - North Carolina - License #049120
- Professional Engineer (PE) - Ohio - License #PE.90070
- Professional Engineer (PE) - Pennsylvania - License #PE079776

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- Professional Engineer (PE) - Rhode Island - License #PE.0015155
- Professional Engineer (PE) - South Carolina - License #38484
- Professional Engineer (PE) - Tennessee - License #122937
- Professional Engineer (PE) - Texas - License #143761
- Professional Engineer (PE) - Virginia - License #402051193
- Professional Engineer (PE) - West Virginia - License #025071
- Professional Engineer (PE) - Puerto Rico - License #28463
- Professional Engineer (PE) - U.S. Virgin Islands - License #1773-E
- Professional Engineer (PE) - Missouri - License #2025037776

SERVICE SPECIALTIES

- **Forensic Engineering & Architecture** | Architecture, Engineering, Forensics, Forensic Engineering – Litigation Support and Expert Witness, Building Envelope, Construction Defect Investigations, Seismic Engineering & Risk Assessment

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