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**JR Ramirez | Senior Fire Investigator, IAAI-CFI (V), IAAI-ECT, NAFI-CFEI**

14950 Heathrow Forest Parkway, Suite 520, Houston, TX 77032  
Field Office: Needville, TX 77461

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[JR.Ramirez@efiglobal.com](mailto:JR.Ramirez@efiglobal.com)

### Professional Summary:

After 20 years of service in the private sector Mr. Ramirez made the transition to Public Safety obtaining a Peace Officer Certification and joining the Fort Bend County Fire Marshal's Office as an Arson Investigator. Mr. Ramirez' responsibilities included conducting origin and cause investigations and working criminal cases for fires within the unincorporated county. In addition to fire investigations Mr. Ramirez conducted life safety inspections for commercial properties in the unincorporated areas in the county. Mr. Ramirez was responsible for the property and evidence room as well as evidence submittals to the Texas Department of Public Safety Crime Lab in Austin. While at Fort Bend County Mr. Ramirez was promoted to a full-time fire investigator with the county. In 2022, Mr. Ramirez was hired as a full-time fire investigator for EFI Global in the Houston Metroplex and promoted to Senior Fire Investigator in January of 2024.

Mr. Ramirez has been conducting fire investigations for over six years. He has personally participated or been lead investigator for over 600 fires. The investigations include commercial fires, fatality fires, vehicle fires, and multi-family and single-family structure fires. Mr. Ramirez has extensive training in fire origin and cause determination, arson investigations, complex scene management, evidence collection & management and both fraud & subrogation investigations.

### Areas of Expertise:

- Life Safety Code
- Fire Safety Systems
- Fraud Investigations
- Property and Evidence Management
- Scene Management
- Large Loss Resource Management
- Cold Case Investigations Management

### Licenses and Certifications:

Certified Fire Investigator (CFI), IAAI, # 03-0826164

Fire Investigation Technician (FIT), IAAI, # 1402793

Evidence Collection Technician (ECT), IAAI, #970

Motor Vehicle Fire Credential Endorsement (V), IAAI, 2022

Certified Fire and Explosion Investigator (CFEI), NAFI, #25697-14745

Intermediate Arson Investigator, Intermediate Fire Inspector, Intermediate Structure Firefighter, Plan Examiner 1, Hazardous Materials Awareness/Operations, Structural Firefighter I and II, TCFP, #2144708464

Certified Property and Evidence Specialist, IAPE, #21-670013

Remote Pilot Part 107 sUAS, FAA, #4273605

Basic Peace Officer, Basic Instructor, Taser Instructor, Basic Property Technician, Field Training Officer, TCOLE, # 467114

Emergency Medical Responder, National Registry of Emergency Medical Technicians, #R1029519

ICS-100, ICS-200, ICS-300, ICS-400, ICS-700, ICS-800, FEMA

### Professional Experience:

EFI Global, Inc., Fire Investigator, 2022 – present

Fort Bend County Fire Marshal's Office, Investigator, 2021 - 2022

Fort Bend County Fire Marshal's Office, Inspector/Investigator, 2017 – 2021

Braman Ranches, 1997-2017

### Specialized Education:

Fire Effects Part 1: Heat Effects on Fuels, IAAI/ Daniel Heenan (3 hours tested), 2024

Fire Effects Part 2: Combustion By-Products Effects, IAAI/ Daniel Heenan (3 hours tested), 2024

Fire Investigation Safety Multi-Program, IAAI/Daniel Heenan (29 hours tested), 2024

HAZMAT for First Responders, CE Solutions/Russell Johnson (1 hour tested), 2023

Hazardous Materials Assessment, CE Solutions/Russell Johnson (1.5 hours tested), 2023

Introduction to Hazardous Materials, CE Solutions/Russell Johnson (1.5 hours tested), 2023

HAZMAT Case Studies, CE Solutions/Russell Johnson (2 hours tested), 2023

Wildland Fire Suppression, CE Solutions/Russell Johnson (2 hours tested), 2023

Introduction Into Wildfire Behavior, CE Solutions/Russell Johnson (2 hours tested), 2023

Introduction Into HAZMAT Decontamination, CE Solutions/Russell Johnson (2 hours tested), 2023

Electrical Aspects of Fire Investigation, IAAI/Mike Keller (24 hours tested), 2022

Asbestos Awareness for General Industry, CLICKSAFETY (.17 hours tested), 2022

Expert Witness Courtroom Testimony, IAAI/JP Ray (40 hours tested), 2022

NFPA 1033 Updates, Fort Bend County Fire Marshal Office/D. Zietz, 2022

NFPA 921 Updates, Fort Bend County Fire Marshal Office/D. Zietz, 2022

Motor Vehicle Fire Investigations, IAAI/Barry Grimm (24 hours tested), 2022

Fire Instructor 1, Texas Emergency Educators (48 hours tested), 2021

Firefighter I/II, TCFP/Fire Academy Online (490 hours tested), 2021

Knowledge 1 Motor Vehicle Fires, IAAI/CFI Trainer (8 hours tested), 2021

Electric and Hybrid Vehicle Fires, IAAI/CFI Trainer (3 hours tested), 2021

MagnaTek: A Case Study in the Daubert Challenge, IAAI/CFI Trainer (2 hours tested), 2021

Critical Thinking Solves Cases, IAAI/CFI Trainer (4 hours tested), 2021

Managing Property & Evidence in Law Enforcement, IAPE (16 hours tested), 2021

Crime Scene Investigation, Gus George Law Enforcement Academy (40 hours tested), 2021

Basic Property Technician, TEEX (16 hours tested), 2021

Digital Photography and the Fire Investigator, IAAI/CFI Trainer (4 hours tested), 2020

Investigating Fire and Explosion Incidents Involving a Line-Of-Duty Death, IAAI/CFI Trainer (3 hours tested), 2020

Preventing Occupational Exposures to Carcinogens at the Fire Scene, IAAI/CFI Trainer (3 hours tested), 2020

Understanding Fire Through the Candle Experiments, IAAI/CFI Trainer (4 hours tested), 2020

Using Resources to Validate your Hypothesis, IAAI/CFI Trainer (2 hours tested), 2020

Thermometry, Heat, and Heat Transfer, IAAI/CFI Trainer (3 hours tested), 2020

The Potential Value of Electronic Evidence in Fire Investigations, IAAI/CFI Trainer (4 hours tested), 2020  
Motive, Means, and Opportunity: Determining Responsibility in an Arson Case, IAAI CFI Trainer (4 hours tested), 2020  
Basic Electricity, IAAI/CFI Trainer (4 hours tested), 2020  
Critical Evaluation and Testing of Commonly Reported Accidental Causes, IAAI/CFI Trainer (3 hours tested), 2020  
Effective Investigation and Testimony, IAAI/CFI Trainer (3 hours tested), 2020  
Explosion Dynamics, IAAI/CFI Trainer (4 hours tested), 2020  
NFPA and Fire Investigation Virtual Training, IAAI/Fort Bend County Fire Marshal Office (2 hours), 2020  
Fire Chemistry, IAAI/CFI Trainer (3 hours tested), 2020  
Fundamentals of Interviewing, IAAI/CFI Trainer (4 hours tested), 2020  
Insurance and the Fire Investigation, IAAI/CFI Trainer (4 hours tested), 2020  
Understanding Undetermined, IAAI/CFI Trainer (3 hours tested), 2020  
Residential Electrical Systems, IAAI/CFI Trainer (4 hours tested), 2020  
Residential Natural Gas Systems, IAAI/CFI Trainer (3 hours tested), 2020  
Legal Aspects of Investigating Youth-Set Fires, IAAI/CFI Trainer (3 hours tested), 2020  
Introduction to Youth Set Fires, IAAI/CFI Trainer (3 hours tested), 2020  
Motor Vehicles: The Engine and the Ignition, Electrical, and Fuel Systems, IAAI/CFI Trainer (3 hours tested), 2020  
Motor Vehicles: Transmission, Exhaust, Brake, and Accessory Systems, IAAI/CFI Trainer (3 hours tested), 2020  
Fire Flow Analysis, IAAI/CFI Trainer (3 hours tested), 2020  
Charting Your Career Path in Fire Investigation, IAAI/CFI Trainer (3 hours tested), 2020  
Fire Investigation for Fire Officers, IAAI/CFI Trainer (3 hours tested), 2020  
How First Responders Impact the Fire Investigation, IAAI/CFI Trainer (2 hours tested), 2020  
Writing the Original Origin and Cause Report, IAAI/CFI Trainer (3 hours tested), 2020  
Forensic Fire Death Investigations Class, Collin County Fire Investigator's Association (40 hours), 2019  
Foundations of Forensic Photography, TEEX (16 hours tested), 2019  
Arc Mapping Basics, IAAI/CFI Trainer (4 hours tested), 2019  
The Impact of Ventilation in Building Structures on Fire Development, IAAI/CFI Trainer (4 hours tested), 2019  
Process of Elimination, IAAI/CFI Trainer (3 hours tested), 2019  
Postflashover Fires, IAAI/CFI Trainer (4 hours tested), 2019  
Managing Complex Fire Scene Investigations, IAI/CFI Trainer (4 hours tested), 2019  
NFPA 1033 and Your Career, IAAI/CFI Trainer (2 hours tested), 2019  
NFPA 1021 Fire and Life Safety Inspections, Target Solutions (1 hour tested), 2021  
Fire Prevention and Public Education, Target Solutions (1 hour tested), 2019  
NFPA 1500 Advanced HAZWOPER Awareness 1-4, Target Solutions (8 hours tested), 2019  
Fire Service Health and Safety Part 1/2, Target Solutions (2 hours tested), 2019  
NFPA 1001 Protection of Evidence of Fire Origin and Cause, Target Solutions (1 hour tested), 2019  
NFPA 1021 Fire Investigation, Target Solutions (1 hour tested), 2019  
NFPA 1001 Fire Control, Target Solutions (1 hour tested), 2019  
NFPA 1001 Firefighter Personal Protective Equipment, Target Solutions (1 hour tested), 2019  
Fire Control, NFPA 1001, Target Solutions (1 hour tested), 2019  
Fire Behavior, NFPA 1001, Target Solutions (1 hour tested), 2019  
Building Construction, Target Solutions (1 hours tested), 2019  
Fire Alarm Systems, Target Solutions (1 hours tested), 2019

The Practical Application of the Relationship Between NFPA 1033 and NFPA 921, IAAI/CFI Trainer (2 hours tested), 2019  
Ethics and the Fire Investigator, IAAI/CFI Trainer (3 hours tested), 2019  
Evidence Examination: What Happens at the Lab, IAAI/CFI Trainer (4 hours tested), 2019  
DNA, IAAI/CFI Trainer (3 hours tested), 2019  
Fire in Paradise Case Study, Fort Bend County Fire Marshal Office/S. McDonald (2 hours), 2019  
9th Annual Greater Houston Area Fire Marshal's Council Training Conference, Pasadena Fire Marshal's Office (20 hours), 2019  
Texas Fire & Arson Investigators Seminar, TEEX (32 hours), 2019  
Narco Terrorism, Greater Houston Area Fire Marshal's Council Training Conference (8 hours), 2018  
ATF's Role in Fire Investigation, Greater Houston Area Fire Marshal's Council Training Conference (4 hours), 2018  
2015 IFC Fire Pumps, Greater Houston Area Fire Marshal's Council Training Conference (8 hours), 2018  
Basic Peace Officer Course, Gus George Law Enforcement Academy (643 hours tested), 2018  
Introduction to Fire Dynamics and Modeling, IAAI/CFI Trainer (4 hours tested), 2018  
Documenting the Event, IAAI/CFI Trainer (4 hours tested), 2017  
Fire Investigator Scene Safety, IAAI/CFI Trainer (3 hours tested), 2017  
Fundamentals of Residential Building Construction, IAAI/CFI Trainer (3 hours tested), 2017  
Introduction to Evidence, IAAI/CFI Trainer (4 hours tested), 2017  
Investigating Fatal Fires, IAAI/CFI Trainer (4 hours tested), 2017  
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Physical Evidence at the Fire Scene, IAAI/CFI Trainer (4 hours tested), 2017  
Search and Seizure, IAAI/CFI Trainer (4 hours tested), 2017  
The Scientific Method for Fire and Explosion Investigation, IAAI/CFI Trainer (3 hours tested), 2017  
Fire Sprinkler Requirements and Inspections, Greater Houston Area Fire Marshal's Council Training Conference (2 hours), 2018  
Fuel Dispensing Station Requirements, Greater Houston Area Fire Marshal's Council Training Conference (2 hours), 2018  
Multi-Tenant Occupancies, Greater Houston Area Fire Marshal's Council Training Conference (2 hours), 2018  
Foster Home Inspections, Greater Houston Area Fire Marshal's Council Training Conference (2 hours), 2018  
IOC Means of Egress, Greater Houston Area Fire Marshal's Council Training Conference (8 hours), 2018  
CPVC Inspection/Plan Check, Greater Houston Area Fire Marshal's Council Training Conference (4 hours), 2018  
Basic Fire Investigator, Training Division (150 hours tested), 2017  
Basic Fire Inspector, Training Division (202 hours tested), 2017

#### Affiliations:

IAAI – International Association of Arson Investigators  
NAFI – National Association of Fire Investigators  
IAPE – International Association of Property and Evidence  
FEMA – Federal Emergency Management Agency  
TASIU – Texas Association of Special Investigation Units  
TMPA – Texas Municipal Police Association

TCOLE – Texas Commission on Law Enforcement  
TCFP – Texas Commission on Fire Protection  
FAA – Federal Aviation Administration  
NFPA – National Fire Protection Association  
NREMT – National Registry of Emergency Medical Technicians

#### **Courses Instructed/ Guest Lecturer:**

AXON Taser User Certification and Annual recertification

#### **Honors and Awards:**

Letter of Appreciation – Hurricane Nicholas Response, Fort Bend County Office of Emergency Management, 2021

Letter of Appreciation – February Winter Weather Response, Fort Bend County Office of Emergency Management, 2021

Letter of Appreciation – COVID-19 Response, Fort Bend County Office of Emergency Management, 2020

Letter of Appreciation – May Flood Response, Fort Bend County Office of Emergency Management, 2019

Precision Driving Award, Gus George Law Enforcement Academy, 2018

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