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Joseph C. Sremack, CFE, CISA, CIPP/US | Partner

Joe Sremack is a Partner in Resolution Economics' Los Angeles office specializing in forensic technology, data analytics, and source code analysis for complex litigation, regulatory enforcement, and internal investigations. With more than 20 years of experience spanning dozens of countries, he has served as a consulting and testifying expert in hundreds of engagements across state and federal courts, international tribunals, and proceedings before financial and trade regulatory bodies. He is the author of *AI Forensics: Investigation and Analysis of Artificial Intelligence Systems* (Chapman & Hall, 2026) and *Big Data Forensics* (Packt Publishing, 2015).

Mr. Sremack's practice combines deep software examination with large-scale forensic data analytics to provide objective analysis of complex technology systems. He applies data science tools and techniques to extract and analyze data from virtually all major enterprise platforms — including ERPs, cloud-based systems, and proprietary databases — and routinely supports class action and commercial litigation requiring the collection and analysis of tens of billions of records. He develops custom software and analytical solutions, assesses source code across numerous programming languages, leads forensic examinations of artificial intelligence systems in litigation and investigative settings, and advises on data privacy disputes, patent and trade secret litigation, geospatial and mobile data analysis, and system configuration and controls assessments. Over the course of his career, he has built and led forensic data analytics and technology practices at several of the nation's leading risk advisory and professional services firms.

Professional Experience

Resolution Economics (2026-present)

Partner

- Lead Resolution Economics’ forensic technology team, directing engagements in forensic data analytics, software and source code examination, AI/ML system investigations, data privacy, and intellectual property disputes across state and federal courts
- Serve as testifying expert witness in complex litigation, delivering expert reports and testimony on software functionality, data analytics, AI system design, and forensic data examination
- Develop proprietary methodologies for forensic examination of AI and machine learning systems, including training data analysis, model behavior testing, and inference pipeline review
- Advise counsel on forensic data strategy, digital evidence preservation, and the intersection of emerging technology with regulatory compliance and litigation risk

CBIZ / Marcum LLP (2024-2026)

Managing Director, Forensic Data Analytics Practice Leader

- Founded and led the Forensic Data Analytics and Technology practice, building a national service line encompassing forensic data analytics, software and source code examination, AI/ML system analysis, and data privacy investigations
- Directed complex, multi-jurisdictional investigations involving financial fraud, enterprise system failures, and whistleblower matters across regulated industries
- Engaged as testifying expert in federal and state litigation on matters involving software analysis, forensic data analytics, and privacy compliance; delivered expert reports and deposition testimony

Previously Partner at Marcum LLP prior to 2024 acquisition by CBIZ.

Kroll (2021-2024)

Managing Director

- Led Kroll's global data analytics team, overseeing forensic data analytics, software and source code examination, and AI/ML system assessment engagements across North America, Europe, and Asia Pacific
- Served as global lead on engagements involving source code analysis, enterprise data system investigations, AI/ML system assessments, and large-scale data analysis across more than twenty jurisdictions
- Engaged as expert in federal and state matters involving data systems, software analysis, and forensic data analytics; advised clients and counsel on digital evidence strategy

BDO (2018-2021)

Managing Director

- Built and led a team of more than twenty-five forensic technology professionals, managing engagements spanning FCPA investigations, regulatory inquiries, IP disputes, class action litigation, and internal investigations across multiple industry sectors
- Performed forensic data analytics and software examination across complex enterprise system investigations for clients in financial services, energy, logistics, and healthcare before state and federal regulators
- Developed proprietary data analytics and visualization tools for fraud detection, system failure root cause analysis, and transaction tracing, deployed across client engagements globally
- Engaged as testifying and consulting expert in litigation and regulatory matters involving data systems, software functionality, and forensic data analysis

Berkeley Research Group (2013-2018)

Director

- Led forensic technology engagements encompassing forensic data analytics and software examination for plaintiffs and defendants in high-value commercial disputes, including intellectual property, trade secret, and enterprise system failure matters

- Served as testifying expert witness in state and federal courts on matters involving source code analysis, software functionality, data system architecture, and digital forensics
- Designed and implemented standardized methodologies for source code review, system testing, and forensic data analysis, establishing repeatable frameworks adopted across the practice

FTI Consulting (2008-2009 & 2011-2013)

Senior Director

Intelligent Discovery Solutions (2010-2011)

Manager

Rated Interactive Media (2009-2010)

Director of Technology

LECG, LLC (2005-2008)

Managing Consultant

Deloitte Consulting (2004-2005)

Systems Analyst

North Carolina State University / Cisco Systems (2003-2004)

Research Analyst

Range of Experience

- Forensic data collection and preservation
- Forensic data analysis and data science
- Artificial intelligence design, examination, and analysis
- Source code and software system analysis
- Data privacy assessments and compliance analysis
- Enterprise system investigations and failure analysis
- Expert witness testimony in state and federal courts
- IP and trade secrets litigation support

Representative Engagements

Investigations & Forensic Accounting

- FCPA Investigation: Supported a US defense contractor in response to a government investigation; performed analysis of over thirty mobile devices to identify individuals and correlate their communications across multiple jurisdictions.

- Fintech BaaS Internal Investigation: Engaged by audit committee to identify missing funds in response to a whistleblower complaint; analyzed over 50 billion transactions across 20+ discrete systems and identified root cause.

- Trade Secrets Misappropriation Litigation: Engaged as neutral expert; performed forensic examination and inventory of all electronic files and communications containing stolen customer information; oversaw and validated complete remediation.

- Data Broker Trade Secrets Litigation: Engaged to perform forensic recovery on an Oracle database and develop analysis of alleged theft of trade secrets; compared data broker data sets to identify misappropriated information.

- Wildfire Litigation: Performed geospatial analysis of social media activity, first responder activity, wildfire and wind activity, and topological environment in one of the most expensive wildfires in US litigation history.

Expert Reporting

- State AG and Investment Bank Fixed-Income Systems Litigation: Engaged as a neutral expert; examined a leading bank's fixed-income system to assess processes, controls, and data across five years of system activity.

- Hospital Network Data Privacy Litigation: Engaged as expert witness in US federal data privacy case; examined ten years of website data and source code to detail personally identifiable information shared via web-based tracking.

- Cross-border Telecommunications Monitorship: Led a team of twenty-five forensic analysts; collected and analyzed over 10 billion records across 100+ systems; performed data mapping, controls analysis, and software testing.

- Insurance Medicare Secondary Payer Litigation: Supported analysis of accident, CMS, and payment data in class action litigation; performed entity resolution to match individuals' records across disparate data sets.

- Wage and Hour Class Action: Examined over one million records and developed scenario-based damages models; analysis supported a favorable judgment for Defendants.

- Pixel Tracking Litigation: Served as an expert to examine a hospital network's pixel- and cookie-based tracking in relation to patient portal activities. Examined PII and PHI that was alleged to have been improperly collected and shared.

Proactive Compliance

- Artificial Intelligence Compliance Analysis: Examined and tested a bespoke LLM/RAG solution for a technology services company for internal safety and regulatory compliance; delivered report on training processes, model tuning, and safety control layers.

- Pharmaceutical AI Data and Software Analysis: Analyzed entire AI software, data, and development lifecycle to assess whistleblower claims; traced ground truth data through AI training and deployment processes to identify falsified transactions.

- Mortgage Origination Pre-Regulatory Inspection Review: Performed transaction tracing of over fifty discrete steps of the mortgage origination process; analyzed source code across four programming languages; delivered regulatory compliance scorecard.
- Investor-owned Energy Utility Regulatory Response: Assessed energy efficiency program's data quality in response to state regulatory inquiry; analyzed millions of records across 15+ systems; delivered report resulting in satisfactory resolution.

Advisory

- Crypto ETF System Remediation: Engaged to reconcile and remediate customer wallet-to-ledger discrepancies; examined over 40 source code files in C# to identify logic errors; provided detailed remediation recommendations.
- Car Rental International Booking Remediation: Engaged by a major US car rental company to identify and resolve issues with their international reservation and accounting system; performed root cause analysis and implemented systematic source code remediation.
- Logistics OFAC Inquiry: Engaged by an international logistics company to support response to a US OFAC inquiry; analyzed multiple accounting and inventory management systems; drafted full report detailing information requested by OFAC.

Education

- **M.S., Computer Science**
  - North Carolina State University
- **B.A., Computer Science and Philosophy**
  - College of Wooster

Credentials

- Certified Fraud Examiner (CFE)
- Certified Information Systems Auditor (CISA)
- Certified Information Privacy Professional (CIPP/US)
- Microsoft Certified Azure AI Engineer Associate

Professional Associations

- American Intellectual Property Law Association (AIPLA) – Patent Litigation Committee
- Association of Certified Fraud Examiners (ACFE)
- Information Systems Audit and Control Association (ISACA)

- International Association of Privacy Professionals (IAPP)

Publications and Speaking Engagements

Publications

- Sremack, J. (forthcoming). AI Forensics: Investigation and Analysis of Artificial Intelligence Systems. Routledge.
- Sremack, J. (2015). Big Data Forensics. Packt Publishing. Comprehensive guide to forensic investigation of large-scale data systems, widely adopted by practitioners and academic institutions.
- Sremack, J. and Wang, R. (2020). “Increasing the Impact of Your Analysis: Exploring and Understanding Data,” ILTA Litigation and Practice Support Whitepaper.
- Louks, M., Socha, G., and Sremack, J. (2019). “Part 3: Data, Data Everywhere – Advanced Strategies for Analyzing Mobile Data,” ACEDS.
- Sremack, J. (2016). “Why Emojis Matter in E-Discovery,” Today’s General Counsel.
- Sremack, J. (2015). “2015: The Year Big Data Went Mainstream,” LegalTech News.
- Sremack, J. (2015). “The Importance of Source Code Analysis for Investigations (Part 1),” LegalTech News.
- Dorman, L. and Sremack, J. (2015). “Managing Privacy in Data Requests,” Association of Corporate Counsel’s Docket.
- Kotz, D. and Sremack, J. (2015). “Are Broker-Dealers and Investment Advisors at Risk from FINRA and the SEC?,” Bloomberg BNA.
- Sremack, J. (2015). “Responding to a Legal Data Request: The Role of the Data Warehouse Team,” The Data Warehouse Institute’s Business Intelligence Journal.

Presentations

- “Breaking into the Black Box: Forensic Analysis of AI Systems” (2026), Hackfort.
- “AI-Generated Code and Copyright: Navigating the New Frontier of Software IP Protection” (2025), International Intellectual Property Law Association.
- “AI Forensics: Investigating AI Systems in Litigation” (2025), Celesq CLE.
- “Analyzing AI Bias: Identification and Measurement” (2025), Institute of Internal Auditors’ Analytics, Automation, and AI Conference.
- “AI Forensics vs. Traditional Digital Forensics: Examining AI Systems in Litigation” (2025), myLawCLE CLE.
- “Synthetic Data in Forensic Analysis: Identifying and Measuring Synthetic Data” (2025), American Academy of Forensic Sciences, Baltimore, MD.
- “Location Data Evidence” (2024), myLawCLE CLE.

- "Designing Impactful Data Visualization to Inform Strategic Decisions and Empower Change" (2021), International Legal Technology Association.

- "Artificial Intelligence (AI): Technical Overview of What It Is, How It Works, and Business Model Trends" (2019), Law Seminars International: Artificial Intelligence and Privacy, Seattle, WA.

- "Robotic Process Automation: What CIOs Need to Know about This Essential Technology" (2018), International Legal Technology Association, Fort Washington, MD.

- "Hadoop and Big Data: An Investigator's Perspective" (2017), Association of Certified Fraud Examiners Global Conference, Nashville, TN.

- "Simplifying Data Mapping for Big Data" (2016), ARMA Live Global Conference.

- "Managing Data Retention and Disposal in the Big Data Era" (2016), Knowledge Group CLE.

- "Practical Security for Law Firms" (2015), Association of Legal Administrators, Arlington, VA.

- "Monitoring Activity, Valuing Data, Quantifying Risk and Assigning Accountability" (2015), Today's General Counsel and Institute Data Privacy and Cyber Security Forum, Washington, DC.

- "Measuring, Maintaining, and Improving Data Quality" (2015), George Washington University, Washington, DC.

- "Data Analytics: Detecting and Preventing Fraud in 2015" (2015), Knowledge Group CLE.

- "Structured Data and Source Code Analysis for Financial Fraud Investigations" (2012), IARIA Data Analytics, Barcelona, Spain.

- "Taxonomy of Anti-Computer Forensics Threats" (2007), International Conference on IT-Incident Management and IT-Forensics, Stuttgart, Germany.

- "Investigating Real-Time System Forensics" (2005), IEEE/CreateNet Computer Network Forensics Research Workshop, Athens, Greece.

- "Cross-Validation of File System Layers for Computer Forensics" (2003), Digital Forensics Research Workshop, Cleveland, Ohio.

Expert Witness Testimony

- ChatPM v. Microsoft, Abu Dhabi Commercial Case No. 1220/2025 (2026).

- ZL Technologies, Inc. v. Splitbyte Inc., et al., California Superior Court, Santa Clara, Case No. 20CV366939 (2024-25).

- Blackbelt Smartphone Defense Ltd. v. Phonecheck Solutions, LLC, Central District of California, 2:2022cv04342 (2023-24).

- State of Illinois ex rel. Edelweiss Fund, LLC v. JPMorgan Chase & Co., et al., Circuit Court of Cook County, Illinois, 2017-L-000289 (2022).

- Daniel L. Schwartz v. Winslow & Co. LLC, et al., Supreme Court of the State of New York, New York County, 651460/2018 (2022).

- Randy Rosenberg, D.C., P.A. v. GEICO General Insurance Co., Southern District of Florida, 19-cv-61422-BLOOM/Valle (2020).