



Joseph C. Sremack

Managing Director

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PROFESSIONAL SUMMARY

Mr. Sremack is a computer scientist and forensic examiner with over 20 years of experience providing services in data, software, and systems analysis. He specializes in matters requiring data analysis, source code examination, and IT system assessment. He is the leader of CBIZ's Forensic Data Analytics and Technology practice and has been engaged in over 500 consulting matters that have spanned numerous industries, financial and trade regulatory bodies, state and federal courts, and over fifty countries. He routinely develops new software and technology solutions to develop solutions and to identify and remediate issues for his clients. He is the author of the book "Big Data Forensics" and a regular speaker and author on subjects related to forensic data analysis and software analysis. His publications and research have been cited in hundreds of academic papers on subjects related to digital forensics and forensic data analysis.

Areas of expertise include:

- Forensic data collection
- Forensic data analysis and data science
- Source code and software system analysis
- Artificial intelligence forensics
- Data privacy assessments
- Enterprise system investigations and failure analysis

PROFESSIONAL CERTIFICATIONS

- Certified Fraud Examiner (CFE)
- Certified Information Systems Auditor (CISA)
- Certified Information Privacy Professional (CIPP/US)
- Certified IBM Cognos BI Professional

EXPERT WITNESS TESTIMONY

1. **Blackbelt Smartphone Defence Ltd. v. Phonecheck Solutions, LLC** (2023-24)
Central District of California, 2:2022cv04342
Expert testimony on software intellectual property and data misappropriation
2. **State of Illinois ex rel. Edelweiss Fund, LLC v. JPMorgan Chase & Co., et al.** (2022)
Circuit Court of Cook County, Illinois, 2017-L-000289
Neutral expert witness for a fixed-income software system analysis
3. **Daniel L. Schwartz v. Winslow & Co. LLC, et al.** (2022)

Supreme Court of the State of New York, New York County, 651460/2018

Expert testimony on data analytics of data retention protocols

4. **Randy Rosenberg, D.C., P.A. v. GEICO General Insurance Co.** (2020)
Southern District of Florida, 19-cv-61422-BLOOM/Valle
Expert analysis of insurance claims for class action certification
5. **Marcie Le v. Walgreen Co., et al.** (2018)
Central District of California, 8:2018cv01548
Expert testimony on enterprise pharmacy management software
6. **Avnet, Inc. and BSP Software LLC v. Motio, Inc.** (2016)
Northern District of Illinois, Civil Action No. 1:12-CV-02100
Expert analysis of software intellectual property and system architecture of an enterprise version control software system
7. **NML Capital, Ltd. v. The Republic of Argentina** (2014)
Southern District of New York, 1:2009cv01708
Expert analysis on international financial systems and data analysis

PROFESSIONAL EXPERIENCE

CBIZ (2024-present)

Managing Director, Forensic Data Analytics Practice Leader

- Lead firm-wide forensic technology and data analytics practice, specializing in investigations and complex litigation matters
- Direct investigations involving data breach analysis, financial fraud, and enterprise system failures
- Provide consulting and expert services for matters involving data and software analysis

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

Kroll (2021-2024)

Managing Director

- Led forensic data analytics service line of global team
- Directed team of forensic analysts in investigations involving multiple jurisdictions
- Served as global lead consultant on litigation, investigation, and consulting matters on issues related to data, software, and systems

BDO (2018-2021)

Managing Director

- Led team of over twenty-five employees in complex, cross-border regulatory compliance and litigation matters
- Managed complex forensic investigations involving enterprise systems and large-scale data analysis
- Developed proprietary analytics tools for fraud detection and system failure analysis

Berkeley Research Group (2013-2018)

Director

- Conducted forensic investigations of enterprise software systems and data infrastructures
- Provided expert testimony in intellectual property disputes and system implementation failures
- Developed standardized methodologies for source code review and system testing

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

EDUCATION

M.S., Computer Science
North Carolina State University

B.A., Computer Science and Philosophy
College of Wooster

REPRESENTATIVE CONSULTING ENGAGEMENTS

- 1. Cross-border Telecommunications Monitorship**
 - Led team of twenty-five forensic analysts as part of a cross-border monitorship
 - Collected and analyzed over 10 billion records
 - Performed data mapping, systems controls analysis, and software testing across over 100 systems
- 2. Pharmaceutical Artificial Intelligence Data and Software Analysis**
 - Analyzed entire artificial intelligence software, data, and development lifecycle to assess whistleblower claims
 - Traced ground truth data through AI training and deployment processes to identify falsified transactions
- 3. Mortgage Origination Pre-Regulatory Inspection Review**
 - Performed transaction tracing of over fifty discrete steps of the mortgage origination process to validate data and software compliance
 - Analyzed system source code across four different programming languages, including C# and JavaScript
 - Delivered a report with a regulatory compliance scorecard, recommendations, and full supporting documentation that expedited the regulatory inspection process
- 4. State AG and Investment Bank Fixed-Income Systems Litigation**
 - Engaged as a neutral expert in a litigation matter related to institutional investment fixed-income fees
 - Examined a leading bank's fixed-income system to assess its processes, controls, and data across five years of system activity

- Delivered a report detailing my findings related to questions submitted by both parties and the court
5. **Trade Secrets Misappropriation Litigation**
- Engaged as a neutral expert in a litigation matter related to the remediation of all digital trade secrets
 - Performed a detailed forensic examination and inventory of all electronic files and communications containing stolen customer information
 - Provided detailed information on the emails, chats, and files to be remediated; oversaw and validated the remediation of those materials
6. **Crypto ETF System Remediation**
- Engaged to reconcile and remediate customer wallet-to-ledger discrepancies for an ETF's crypto offerings
 - Examined all crypto transactions for over twenty different crypto tokens and coins
 - Analyzed over 40 different source code files in the C# programming language to identify errors in logic
 - Provided a detailed report on the recommended remediation measures, including modifications to the source code files and updates to customer records
7. **FCPA Investigation**
- Engaged to support a US defense contractor in response to an FCPA investigation
 - Performed analysis of over thirty mobile devices to identify individuals and correlate their communications
 - Identified all relevant individuals and their communications, including building notebooks of all communications by individuals, their known cohorts, and identification of individuals found in their communication histories and address books
8. **Insurance Medicare Secondary Payer Litigation**
- Engaged by Defendant to support their case in defense of alleged underpayment of Medicare Secondary Payer claims
 - Supported the analysis of accident, CMS submission, and payment data in class action litigation
 - Performed entity resolution to match individuals' records across disparate data sets
 - Prepared demonstrative analysis and graphics in support of Defendant's case
9. **Wildfire Litigation**
- Engaged by Defendants' counsel to support their case related to wildfire liability in one of the most expensive wildfires in US litigation history
 - Performed geospatial analysis of social media activity, first responder activity, wildfire and wind activity, topological environment, and other factors
 - Developed and shared findings about the full chronology of relevant events before, during, and after the wildfire
10. **Data Broker Trade Secrets Litigation**
- Engaged to perform forensic recovery on an Oracle database and develop analysis of alleged theft of trade secrets by a data broker's client
 - Performed analysis of data broker's data to that of the Defendant's
11. **Wage and Hour Class Action**
- Engaged by Defendants in a wage and hour class action litigation
 - Examined over one million records and developed scenario-based models to detail the impact of various interpretations of FLSA, as well as damages calculations
 - Developed analysis that supported a favorable judgment in the litigation
12. **Fintech BaaS Internal Investigation**
- Engaged by company's audit committee to identify missing funds in response to a whistleblower complaint
 - Analyzed over 50 billion transactions and examined over 20 discrete systems, including financial, accounting, and communications systems

- Identified the missing funds and root cause of the issue
- 13. Investor-owned Energy Utility Regulatory Response**
- Engaged to assess the utility's energy efficiency program's data quality in response to state regulatory inquiry
 - Analyzed millions of records and over 15 systems to trace and detail data quality and quantification methodologies
 - Delivered a report that received a satisfactory resolution with the state regulator
- 14. 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 a root cause analysis of their database system and source code
 - Developed and implemented a remediation and system correction through systematic change management process for their source code
- 15. Logistics OFAC Inquiry**
- Engaged by an international logistics company to support response to US OFAC inquiry
 - Analyzed multiple accounting and inventory management systems in English and Spanish
 - Drafted a full report detailing information requested by OFAC
- 16. Hospital Network Data Privacy Litigation**
- Engaged by Defendants as an expert witness for a data privacy US federal case
 - Examined ten years of website data and source code and examined relevant systems to detail the personally identifiable information that may have been shared with third-party analytics providers via web-based online trackers
 - Submitted a findings report detailing all online tracking that is or was present, including cookies, pixels, and beacons

PUBLICATIONS

1. Sremack, J. and Wang, R. (2020). "Increasing the Impact of Your Analysis: Exploring and Understanding Data," ILTA Litigation and Practice Support Whitepaper.
2. Louks, M., Socha, G., and Sremack, J. (2019). "Part 3: Data, Data Everywhere – Advanced Strategies for Analyzing Mobile Data," ACEDS.
3. Sremack, J. (2016). "Why Emojis Matter in E-Discovery," Today's General Counsel.
4. Sremack, J. (2015). "2015: The Year Big Data Went Mainstream," LegalTech News.
5. Sremack, J. (2015). "The Importance of Source Code Analysis for Investigations (Part 1)," LegalTech News.
6. 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.
7. Dorman, L. and Sremack, J. (2015). "Managing Privacy in Data Requests," Association of Corporate Counsel's Docket.
8. Kotz, D. and Sremack, J. (2015). "Are Broker-Dealers and Investment Advisors at Risk from FINRA and the SEC?," Bloomberg BNA.
9. Sremack, J. (2015). "Responding to a Legal Data Request: The Role of the Data Warehouse Team," The Data Warehouse Institute's Business Intelligence Journal.
10. Sremack, J. (2014). "Who Should Perform A Database Collection, IT Department Or Third Party?," Today's General Counsel.

11. Knight, J. and Sremack, J. (2013). "Planning an In-House Data Analytics Solution," International Legal Technology Association's Peer-to-Peer Magazine.
12. Sremack, J. (2012). "The Collection of Large-Scale Structured Data Systems," Digital Evidence Magazine.
13. Antonov, A. and Sremack, J. (2007). "Taxonomy of Anti-Computer Forensics Threats," Proceedings of the International Conference on IT-Incident Management & IT-Forensics.
14. Fletcher, C. and Sremack, J. (2006). "Non-Forensic Acquisition of Transactional Data," The Proceedings from ECCE 2006.
15. Fletcher, C., Lavalley, G., and Sremack, J. (2006). "Ensuring a Healthy Document Repository," Pike & Fischer's Digital Discovery and e-Evidence.
16. Sremack, J. (2005). "Investigating Real-time System Forensics," Proceedings of the IEEE/CreateNet Computer Network Forensics Research Workshop.

PRESENTATIONS

1. "Synthetic Data in Forensic Analysis: Identifying and Measuring Synthetic Data" (2025)
American Academy of Forensic Sciences, Baltimore, MD
2. "Location Data Evidence" (2024)
myLawCLE CLE
3. "Designing Impactful Data Visualization to Inform Strategic Decisions and Empower Change" (2021)
International Legal Technology Association
4. "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
5. "Robotic Process Automation: What CIOs Need to Know about This Essential Technology" (2018)
International Legal Technology Association, Fort Washington, MD
6. "Hadoop and Big Data: An Investigator's Perspective" (2017)
Association of Certified Fraud Examiners Global Conference, Nashville, TN
7. "Simplifying Data Mapping for Big Data" (2016)
ARMA Live Global Conference
8. "Managing Data Retention and Disposal in the Big Data Era" (2016)
Knowledge Group CLE
9. "Practical Security for Law Firms" (2015)
Association of Legal Administrators, Arlington, VA
10. "Monitoring Activity, Valuing Data, Quantifying Risk and Assigning Accountability" (2015)
Today's General Counsel and Institute Data Privacy and Cyber Security Forum, Washington, DC
11. "Measuring, Maintaining, and Improving Data Quality" (2015)
George Washington University, Washington, DC
12. "Data Analytics: Detecting and Preventing Fraud in 2015" (2015)
Knowledge Group CLE
13. "Structured Data and Source Code Analysis for Financial Fraud Investigations" (2012)
IARIA Data Analytics, Barcelona, Spain
14. "Taxonomy of Anti-Computer Forensics Threats" (2007)
International Conference on IT-Incident Management and IT-Forensics, Stuttgart, Germany
15. "Investigating Real-Time System Forensics" (2005)
IEEE/CreateNet Computer Network Forensics Research Workshop, Athens, Greece
16. "The Future for MD5 and SHA-1" (2005)

Open Web Application Security Project, Reston, Virginia

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

PROFESSIONAL AFFILIATIONS

- Association of Certified Fraud Examiners
- Information Systems Audit and Control Association
- Sedona Conference, Working Groups 11 and 13