

## CURRICULUM VITAE

# JAMES R. SWAUGER

## Forensic Computer Examiner & High-Tech Investigator

Binary Intelligence Technology, Ltd.  
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### SUMMARY OF QUALIFICATIONS

- Forensic computer examiner with an extensive background in the identification, collection, and analysis of digital evidence; operational competency spans stand-alone devices through complex enterprise environments.
- Licensed high-tech investigator with over ten years of public and private sector experience; over one thousand civil, criminal, corporate internal, and domestic cases conducted.
- Court recognized expert in the field of computer forensics and technology investigations; testimony offered at numerous trials, unemployment hearings, and administrative proceedings.

### AREAS OF EXPERTISE

- **Digital Forensics** – Digital Evidence Acquisition, Keyword and File Signature Searching, Messaging Analysis, Metadata Analysis, Internet Activity Review, Data and Document Recovery, Timeline Analysis, Event Reconstruction, Volatile Data Analysis, Network-Based Evidence Collection, Mobile-Device Forensics
- **Investigations** – Employee and Executive Misconduct, Computer Incident Response, Corporate Espionage (Intellectual Property Theft), Workplace Harassment and Discrimination, Piracy, Fraud, Employment and Contractual Disputes, Theft, Unauthorized Use/Hacking, Missing Persons, Domestic Inquiries, Regulatory Compliance (GLBA, SOX, HIPPA)
- **Intelligence** – Log File Analysis, Extrusion Detection, Network Surveillance, Covert Monitoring, Network Traffic Threat Assessment, Wireless Audit

## **CERTIFICATIONS AND LICENSURE**

- **CISSP** – Certified Information Systems Security Professional, (ISC)<sup>2</sup>
- **EnCE** – Encase Certified Examiner, Guidance Software Inc.
- **CFCE** – Certified Forensic Computer Examiner, IACIS
- **CEECS** – Certified Electronic Evidence Collection Specialist, IACIS
- **CIFI** – Certified Information Forensics Investigator, IISFA
- **SCERS** – Seized Computer Evidence Recovery Specialist, Federal Law Enforcement Training Center
- **A+** and **Net+** Certifications, CompTIA
- **LPI** – Licensed Private Investigator, Ohio License No. 2003005424, Ohio Department of Public Safety, Division of Homeland Security

## **PROFESSIONAL AFFILIATIONS**

- **IACIS** – International Association of Computer Forensic Specialists, 1998 – Present
- **HTCIA** – High Technology Crime Investigation Association, Founding member of Ohio chapter, 2000 – Present
- **(ISC)<sup>2</sup>** – International Information Systems Security Certification Consortium, Inc., 2002 – Present
- **IISFA** – International Information Systems Forensics Association, 2004 – Present
- **ISSA** – Information Systems Security Association, 2006 – Present

## **NOTABLE TECHNICAL PROFICIENCIES**

- **Digital Forensic Software** – Encase Forensic Edition, Encase Field Intelligence Model, Encase Enterprise, AccessData Forensic Toolkit, AccessData Password Recovery Toolkit, AccessData Registry Viewer, SMART, SafeBack, MediaTools, DD, Wireshark, NetAnalysis, Paraben E-mail Examiner, BitPim, SpectorSoft CNE
- **Operating Systems** – DOS (various versions), Microsoft Windows (3.11, 95, 98, ME, 2000, XP, 2003, Vista), Linux (various distributions), Mac OS, Mac OSX, FreeBSD, Cisco CatOS and IOS
- **File Systems** – FAT12, FAT16, FAT32, NTFS, EXT2, EXT3, HFS, HFS+, ReiserFS, XFS, JFS, ISO 9660, CDFS, UDF

## **EMPLOYMENT**

### **BINARY INTELLIGENCE TECHNOLOGY, LTD.,** West Jefferson, Ohio

Partner, *September 2000 – Present*

- Conduct investigations, digital forensic analyses, and intelligence operations on a contract basis for attorneys, businesses, and private individuals.

### **FORTUNE 500 FINANCIAL HOLDING COMPANY**

Security Analyst, *December 2005 – Present*

- Direct technical investigations, policy enforcement, computer forensics, incident response, and eDiscovery activities.
- Monitor network infrastructure and perimeter system logs for evidence of compliance violations, data leakage, and attached rogue computer systems or network devices.
- Provide investigative support to human resources, legal counsel, and risk management personnel.
- Present evidence and represent the corporation at unemployment compensation hearings and other judicial or administrative proceedings.
- Serve as corporate liaison with law enforcement, external attorneys, and auditors.

### **OHIO BUREAU OF CRIMINAL INVESTIGATION, COMPUTER CRIMES UNIT,** London, Ohio, Computer Forensic Specialist II, *October 1997 – Present*

- Served as lead computer forensic expert for the Ohio Attorney General's Office and state crime laboratory.
- Conducted computer forensic examinations and prepared investigative reports for prosecution.
- Presented cases before grand juries and offered expert testimony at trial.
- Performed on-site digital evidence collection at crime scene and search warrant sites.

### **CINCINNATI BELL INFORMATION SYSTEMS (CONVERGYS),** Cincinnati, Ohio

Database Administrator, *June 1995 – October 1997*

- Regulated the design, performance, and security of critical client IMS and DB2 databases.

## **EDUCATION**

### **Bachelor of Business Administration in Information Systems**

UNIVERSITY OF CINCINNATI, Cincinnati, Ohio, 1995

## **SPECIALIZED TRAINING AND CONFERENCES**

- Ohio High Technology Crime Investigation Association Regional Training Conference, 2008
- Ohio Information Security Summit, 2007
- Security 617 – Assessing and Securing Wireless Networks, SANS Institute, 2007
- Ohio Information Security Forum, 2007
- High Technology Crime Investigation Association International Training Conference and Expo, 2006
- The Evil Insider, Information Systems Security Association, 2006
- Ohio Information Security Summit, 2005
- Security 504 – Hacker Techniques, Exploits, and Incident Handling, SANS Institute, 2004
- Information Security and Forensics, Ohio High Technology Crime Investigation Association, 2004
- Ultimate Toolkit Computer Forensics, AccessData, 2003
- Ohio High Technology Crime Investigation Association Annual Training Conference, 2002
- Seized Computer Evidence Recovery Specialist Training, Federal Law Enforcement Training Center, 2002
- Linux and BeOS for Law Enforcement, Ohio High Technology Crime Investigation Association, 2002
- Techno-Security Training Conference, 2001
- Internet Investigations and Profiling, Consulting Investigation Services, 2000
- Techno-Security Training Conference, 2000
- Anatomy of an Intrusion, International Association of Computer Investigative Specialists, Advanced Training, 2000
- Forensic Seizure and Examination of Linux Operating Systems, International Association of Computer Investigative Specialists Advanced Training, 1999
- Forensic Examination of Novell and Windows NT Networks, International Association of Computer Investigative Specialists Advanced Training, 1999
- Advanced Forensic Computer Science Course, New Technologies Incorporated, 1999

### **SPECIALIZED TRAINING AND CONFERENCES (continued)**

- International Association of Computer Investigative Specialists Forensics Training Conference, 1998
- Basic Data Recovery and Analysis, National White Collar Crime Center, 1998
- Advanced Unix and Internet Security, Computer Security Institute, 1997
- CSI 24th Annual Training Conference, Computer Security Institute, 1997

### **PRESENTATIONS AND TEACHING ENGAGEMENTS**

- **“LINUX FORENSIC DATA ACQUISITION AND ANALYSIS”** (co-instructor)  
Ohio High Technology Crime Investigation Association Annual Training Conference, Salt Fork State Park and Conference Center, Cambridge, Ohio, December 2-4, 2003
- **“PROTECTING AGAINST CYBER-ATTACKS”**  
Joint Seminar on Terrorism Preparedness for Small Businesses. Workshop facilitated by the Small Business Development Center and The University of Findlay Center for Terrorism Preparedness, Ohio Department of Public Safety, Columbus, Ohio, July 25, 2003
- **“HARDWARE AND SOFTWARE SOLUTIONS FOR COMPUTER FORENSIC EXAMINERS”**  
Ohio High-Technology Crime Investigation Association Chapter Meeting, BCI Headquarters, London, Ohio, May 1, 2003
- **GUEST INSTRUCTOR FOR VARIOUS COMPUTER CRIME FIRST RESPONDER COURSES**  
Ohio Peace Officer Training Academy, London, Ohio, Various Dates 1999 – 2003

### **PROFESSIONAL HONORS**

- Service Recognition, Ohio Attorney General Jim Petro, December 2005
- Written commendation for outstanding performance (investigation), *State of Ohio vs. Eugene Robert Anderson*, Ohio Attorney General Betty D. Montgomery, December 2002
- Written commendation for outstanding performance (trial), *State of Ohio vs. Eugene Robert Anderson*, Ohio Attorney General Betty D. Montgomery, August 2002
- Ohio High Technology Crime Investigation Association (HTCIA) Hall of Fame Induction for “Outstanding Professionalism and Continuing Expertise in the Investigation of Crimes Involving Advanced Technologies”, October 2002

### **PROFESSIONAL HONORS (continued)**

- Written commendation for assistance provided to Riverside Ohio Police Department, *State of Ohio vs. Michael T. McHale*, Ohio Attorney General Betty D. Montgomery, October 2000
- Written commendation for efforts to identify and convict an Ohio sexual predator, *State of Ohio vs. Michael J. Maddy*, Ohio Attorney General Betty D. Montgomery, October 2000

### **NOTABLE TESTIMONY**

- ***State of Ohio vs. Sean A. Lloyd***, December 2006  
Montgomery County Ohio Court of Common Pleas, Case No. 2006-CR-0081
- ***State of Ohio vs. Scott A. Wagner***, July 2003  
Licking County Ohio Court of Common Pleas, Case No. 2003-CR-00051  
(Expert Declaration)
- ***State of Ohio vs. Nicole Gilmore***, April 2002  
Warren County Ohio Court of Common Pleas, Case No. 01-CR-19448  
(Expert Declaration)
- ***State of Ohio vs. Eugene Robert Anderson***, August 2002  
Washington County Ohio Court of Common Pleas, Case No. 01-CR-00238  
(Expert Declaration)
- Numerous Job and Family Services/Unemployment Compensation Review proceedings (multiple states), grand jury appearances and hearings