

Summary

Mr. Pflaum is an IT litigation consultant and source code reviewer. For the last seven years, Mr. Pflaum has specialized in advising clients on patent, copyright, trade secret and software implementation disputes. Mr. Pflaum is skilled in code review and reverse engineering of software systems. He has extensive experience reviewing and reverse engineering code written in C-based programming languages, and has also reviewed machine code, assembly code, CAD code, and application code for enterprise n-tier and SOA applications written in a variety of languages. He has been involved in a variety of intellectual property, contract, fraud, and computer forensics cases. Mr. Pflaum is also an attorney and registered patent agent with professional experience in financial services and software development.

Software Review Experience (Languages)

C/C++/C#, Objective C (iOS), Swift, SQL, Java, Kotlin, Visual Basic, COBOL, JavaScript, TypeScript, PHP, Python, GoLang, Ruby, CodeSys, MatLab, Fortran, VHDL, Assembly

Software Review Experience (Industries)

- Automotive systems (e.g., electronic throttle and braking controls)
- Cloud computing including apps built on Amazon Web Services (AWS)C
- Cryptographic protocols, cryptocurrencies, and peer-to-peer messaging systems
- Consumer electronics like set-top boxes and portable media players
- On-Chip and on-board controllers including power management and memory access controllers
- E-commerce and enterprise systems and websites, including SaaS, COTS, OOTB and custom apps
- Industrial controls (e.g., robotics and factory automation technologies)
- Internet of Things (IoT) devices and sensor networks
- Medical and analytical devices and electronic medical record databases
- Mobile devices and apps for Android and iOS smartphones and tablets

Professional Experience

Hlfip Holding, Inc. d/b/a Smart Communications IP Holdings v. York County, Pennsylvania (2022)

- Jurisdiction: MD Penn.
- Case Number: 1:20-cv-001866-CCC (filed February 3, 2020)
- Nature of Suit: Patent
- Retained by: York County
- Counsel: Sterne Kessler Goldstein & Fox
- Technology: Telecommunications, OCR scanning, document processing

Professional Experience

Provisur Technologies, Inc. v. Weber, Inc. (2022)

- Jurisdiction: WD Mo.
- Case Number: 5:19-cv-6021 (filed February 22, 2019)
- Nature of Suit: Patent
- Retained by: Weber, Inc
- Counsel: Sterne Kessler Goldstein & Fox
- Technology: PLC controller for robotic food packaging equipment (C++, CodeSys)

Certain Vehicle Controls Systems, Vehicles Containing the Same, and Components Thereof (2021)

- Jurisdiction: International Trade Commission (ITC)
- Case Number: 337-TA-1235 (filed November 19, 2020)
- Nature of Suit: Patent
- Retained by: Volkswagen America
- Counsel: Sterne Kessler Goldstein & Fox
- Technology: CAN bus communication of terrain selection data to vehicle suspension, breaking and transmission control subsystems (C++)

Wipro Limited v. State of Nebraska (2021)

- Jurisdiction: Lancaster Co. Dist. Ct.
- Case Number: D02CI190000676 (filed March 4, 2019)
- Nature of Suit: Breach of Contract
- Retained by: Wipro Limited
- Counsel: Cline Williams Wright Johnson & Oldfather, L.L.P.
- Technology: IBM Cúram Enterprise Modules and social program management platform (Java)

FinancialApps LLC. v. Evestnet, Inc. (2020)

- Jurisdiction: Dist. Del.
- Case Number: 19-1337-CFC-CJB (filed July 17, 2019)
- Nature of Suit: Trade Secret Misappropriation
- Retained by: FinancialApps
- Counsel: Kasowitz Benson Torres
- Technology: Consumer financial data processing and credit reporting (Golang, Ruby, JavaScript, Java, MongoDB)

Aetna Inc, et al v. Mednax Inc., et al, No. 2:18-cv-02217 (ED Penn.) (2020)

- Jurisdiction: ED Penn.
- Case Number: 2:18-cv-02217 (filed May 25, 2018)
- Nature of Suit: Medical Billing Fraud
- Retained by: Mednax
- Counsel: Robbins, Russell, Englert, Orseck, Untereiner & Sauber LLP
- Technology: Billing support business logic

Professional Experience

Penrose Hill, Limited et al. v. Mabray (2020)

- Jurisdiction: N.D. Calif.
- Case Number: 4:20-cv-01169 (filed February 14, 2020)
- Nature of Suit: Libel
- Retained by: Penrose Hill
- Counsel: Seyfarth Shaw LLP
- Technology: Social media posting forensic acquisition

VoterLabs, Inc. v. Ethos Group Consulting Services LLC (2020)

- Jurisdiction: Dist. Del.
- Case Number: 1:19-cv-00524 (filed March 15, 2019)
- Nature of Suit: Breach of Contract
- Retained by: Ethos Group
- Counsel: Wick Phillips
- Technology: Customer profiling and product recommendation (Python, TypeScript, SQL, JavaScript)

Robillard v. Opal Labs, Inc. (2020)

- Jurisdiction: Dist. Oregon
- Case Number: 3:16-cv-00780 (filed May 5, 2016)
- Nature of Suit: Trade Secret Misappropriation
- Retained by: Robillard
- Counsel: Buchanan Angeli Altschul & Sullivan LLP
- Technology: Investigation of the GitHub and Internet archives using ElasticSearch to search over 800 million records

Comcast Cable Communications LLC. v. Veveo, Inc. (2020)

- Jurisdiction: United States Patent and Trademark Office (USPTO) Patent Trial and Appeals Board (PTAB)
- Case Number: IPR 2019-00237, filed November 12, 2018 and IPR 2019-00290 (filed November 12, 2018)
- Nature of Suit: Patent
- Retained by: Comcast Cable Communications LLC.
- Counsel: Sterne Kessler Goldstein & Fox
- Technology: Cable set top box predictive text entry and product search (C++)

Sequoia Technology, LLC. v. Dell Inc., et al (2019)

- Jurisdiction: Dist. Del.
- Case Number: 1:18-cv-01127 (filed July 31, 2018)
- Nature of Suit: Patent
- Retained by: Sequoia Technology
- Technology: RedHat Logical volume management (LVM), Windows Logical Disk Manager (LDM), Windows Storage Spaces, Oracle ZFS, MacOS apfs

Professional Experience

Alaimo v. Simpson (2019)

- Jurisdiction: AZ
- Case Number: 2:00-cv-01251 (filed June 29, 2000)
- Nature of Suit: Patent
- Retained by: Simpson
- Technology: Forensic acquisition of social media postings from Twitter, Facebook and Instagram

Arendi S.A.R.I. v. Motorola Mobility LLC, et. al. (W.D. Wash) (2019)

- Jurisdiction: Dist. Del.
- Case Number: 1:12-cv-01601-LPS (filed March 10, 2013)
- Nature of Suit: Patent
- Retained by: Arendi
- Technology: Mobile phone applications for Android (Java and Kotlin), iOS (Objective C and Swift) and Blackberry (C++); Subversion (SVN) source code version control system

In re Intuit Free File Litigation (2019)

- Jurisdiction: N.D. Calif.
- Case Number: 3:19-cv-02546 (filed May 12, 2019)
- Nature of Suit: Class Action
- Retained by: Plaintiff
- Technology: Multi-site web application (HTML and JavaScript) and robots.txt directives

Morris Development, Inc. v. Extreme Impact, Inc. (2019)

- Jurisdiction: CA
- Case Number: 16CV003781 (filed November 23, 2016)
- Nature of Suit: Copyright and Breach of Contract
- Retained by: Morris Development
- Technology: Comparison of source code and architecture of Microsoft Visual Basic (VB) .Net applications

TRUSTID, Inc. v. Next Caller Inc. (2019)

- Jurisdiction: Dist. Del.
- Case Number: 1:18-cv-00172 (filed January 30, 2018)
- Nature of Suit: Patent
- Retained by: TRUSTID
- Counsel: Sterne Kessler Goldstein & Fox
- Technology: Call-number- spoofing and fraud detection using SIP data processing, call screening and applied machine learning (ML) (Python, VOIP, AWS)

Professional Experience

AGIS Software Development LLC v. LG Electronics, Inc. (2018)

- Jurisdiction: E.D. Tex.
- Case Number: 2:17-cv-00515 (filed June 21, 2017)
- Nature of Suit: Patent
- Retained by: LG
- Counsel: Arnold & Porter
- Technology: Peer to peer messaging mobile phone applications for Android (Java), iOS (Objective-C), and Windows Phone (C++) and backend server application (C++)

Lisa M. Ostella v. Orly Taitz (2018)

- Jurisdiction: C.D. Calif.
- Case Number: 8:11-cv-00485 (filed March 29, 2011)
- Nature of Suit: Libel
- Retained by: Taitz
- Technology: Forensic acquisition and analysis of blog and Twitter postings, internet archive records and robots.txt directives

Yardi Systems v. Property Solutions International, Inc. (2018)

- Jurisdiction: C.D. Calif.
- Case Number: 2:13-cv-07764 (filed October 21, 2013)
- Nature of Suit: Trade Secret
- Retained by: Entrata
- Counsel: Morrison & Foerster, LLP
- Technology: Property, lease and tenant management systems

Certain Road Milling Machines and Components Thereof (2018)

- Jurisdiction: International Trade Commission (ITC)
- Case Number: ITC 337-TA-1067 (filed July 10, 2017)
- Nature of Suit: Patent
- Retained by: Wirtgen America
- Counsel: Sterne Kessler Goldstein & Fox
- Technology: Sensor inputs and actuator controls over CAN bus and controller source code (CodeSys, MatLab, C)

Golden et al. v. Clear Advantage Marketing, et al. (2018)

- Jurisdiction: S. D. Iowa
- Case Number: 4:2016-cv-00529 (filed September 30, 2016)
- Nature of Suit: Copyright, Trade Secret
- Retained by: G2 Database Marketing
- Technology: Functional and presentation layer comparison of financial reporting applications and reporting products

Professional Experience

“Sasco” Patent Portfolio Review (2017)

- Jurisdiction: n/a
- Case Number: n/a
- Nature of Suit: Pre-litigation assessment
- Retained by: Confidential
- Counsel: Perkins Coie
- Technology: CPU power management in Linux-based operating systems

Securus Technologies, Inc. v. Global Tel*Link Corporation (2017)

- Jurisdiction: N.D. Tex.
- Case Number: 3:16-cv-01338 (filed May 13, 2016)
- Nature of Suit: Patent
- Retained by: Global Tel*Link Corporation
- Counsel: Sterne Kessler Goldstein & Fox
- Technology: VOIP call processing, monitoring, biometrics, billing (Java, C++)

Pennsylvania Department of Labor and Industry (DLI) v. IBM (2017)

- Jurisdiction: PA
- Case Number: 2017-cv-1740 (filed March 9, 2017)
- Nature of Suit: Breach of Contract
- Retained by: State of Pennsylvania DLI
- Counsel: Duane Morris, LLP
- Technology: IBM solution for Unemployment Compensation Modernization System (“UCMS”) (OS/2, Db2, Java)

Pre-litigation Assessment (2017)

- Jurisdiction: n/a
- Case Number: n/a
- Nature of Suit: Copyright
- Retained by: Confidential
- Counsel: Perkins Coie
- Technology: ARM-based embedded controller and firmware, JTAG

Certain Computing or Graphics Systems, Components Thereof, and Vehicles Containing Same (2016)

- Jurisdiction: International Trade Commission (ITC)
- Case Number: ITC-337-TA-984 (filed December 20, 2015)
- Nature of Suit: Patent
- Retained by: Volkswagen America
- Counsel: Sterne Kessler Goldstein & Fox
- Technology: Northbridge controller, memory controller, DRAM access scheduling and prioritization functions (VHDL)

Professional Experience

Kemper Corporate Services Inc. v. Computer Sciences Corporation et al. (2016)

- Jurisdiction: AAA Arbitration
- Case Number: n/a
- Nature of Suit: Breach of Contract
- Retained by: Kemper
- Counsel: Sidely Austin
- Technology: COBOL to Java conversion

CAP CO, LTD v. McAfee, Inc (2016)

- Jurisdiction: N.D. Calif.
- Case Number: 14-cv-05068-JD (filed June 26, 2015)
- Nature of Suit: Patent
- Retained by: McAfee
- Counsel: Perkins Coie
- Technology: Anti-virus and firewall

Hoskin Hogan, et al., v. BP West Coast Products LLC, et al. (2016)

- Jurisdiction: CA
- Case Number: BC460880 ((filed 2011)
- Nature of Suit: Breach of Contract
- Retained by: BP West Coast Products LLC
- Technology: Point of Sale (POS)

Pre-litigation Assessment

- Jurisdiction: n/a
- Case Number: n/a
- Nature of Suit: Patent
- Retained by: Confidential
- Counsel: Perkins Coie
- Technology: CPU power management, on-chip controller source code for managing the operating frequency, voltage, memory bandwidth, and thermal control of a multithreaded processor and its associated memory

Michael Mohr v. Science and Engineering Services, LLC (2014)

- Jurisdiction: N.D. Al
- Case Number: 5:14-cv-00045 (filed January 9, 2014)
- Nature of Suit: Copyright
- Retained by: Science and Engineering Services, LLC
- Technology: Source code comparison, scènes à faire analysis

Professional Experience

Metropolitan Regional Information Systems, Inc. v. American Home Realty Network, Inc. (2014)

- Jurisdiction: N.D. AI
- Case Number: 5:14-cv-00045 (filed January 9, 2014)
- Nature of Suit: Copyright
- Retained by: Science and Engineering Services, LLC
- Counsel: Finnegan, Henderson, Farabow, Garrett & Dunner,
- Technology: Database compilation and schema in copyright deposits

Maryland Health Benefits Exchange Implementation Failure Pre-Litigation Assessment (2014)

- Jurisdiction: n/a
- Case Number: n/a
- Nature of Suit: Breach of Contract, Fraud
- Retained by: State of Maryland
- Counsel: Saul Ewing Arnstein & Lehr LLP
- Technology: IBM Cúram Enterprise Modules and social program management platform (Java, Db2, Oracle) and related SDLC artifacts (Jira, Rational Team Concert, SVN)

County of Orange v. Tata Consultancy Services LTD., et al. (2015)

- Jurisdiction: CA
- Case Number: 8:13-cv-00683 (filed April 30, 2013)
- Nature of Suit: Breach of Contract, Fraud
- Retained by: Orange County, CA
- Counsel: Theodora Oringher PC
- Technology: Property tax management system (Visual Studio .Net, C++, SQL)

Robert Nekoroski et al. v. Shajy Mathai et al. (2014)

- Jurisdiction: CA
- Case Number: 1184CV04315 (filed November 29, 2011)
- Nature of Suit: Trade Secret
- Retained by: Mathai
- Technology: Insurance portfolio risk modeling and assessment

The Studer Group v. Cleveland Clinic Foundation (2013)

- Jurisdiction: N.D. Ohio
- Case Number: 1:10-cv-01957 (filed September 2, 2010)
- Nature of Suit: Trade Secret
- Retained by: Studer Group
- Technology: Patient engagement, survey and services marketing

Professional Experience

CGI v. eHealth Ontario (2014)

- Jurisdiction: Private Arbitration
- Case Number: n/a
- Nature of Suit: Breach of Contract
- Retained by: CGI
- Technology: Diabetes Registry system implementation, HP Quality Center (HPQC)

SAP Business One Implementation Failure (2014)

- Jurisdiction: Private Arbitration
- Case Number: n/a
- Nature of Suit: Breach of Contract
- Retained by: n/a
- Technology: SAP Business One (ERP Solution)

Sam's West, Inc. v. Aloni (2013)

- Jurisdiction: W.D. Ark
- Case Number: 5:13-cv-05144 (filed July 15, 2013)
- Nature of Suit: Media Licensing
- Retained by: Aloni
- Technology: Internet Archive, image and text scanning, micro-site and platform-specific targeting

California State Comptroller's Office (SCO) v. SAP Public Services (2013)

- Jurisdiction: CA
- Case Number: 34-2013-00154918 (filed November 21, 2013)
- Nature of Suit: Breach of Contract
- Retained by: State of California SCO
- Counsel: Manatt, Phelps & Phillips, LLP
- Technology: Payroll processing, SAP, HP Quality Center, JIRA

BioLumix, Incorporated v. Centrus International, Incorporated (2013)

- Jurisdiction: E.D. Mich.
- Case Number: 2:08-cv-11418 (filed April 2, 2008)
- Nature of Suit: Patent
- Retained by: BioLumix
- Technology: Laboratory analytical device firmware

Professional Experience

Westlake Services LLC d/b/a Westlake Financial Services v. Credit Acceptance Corporation (2013)

- Jurisdiction: United States Patent and Trademark Office (USPTO) Patent Trial and Appeals Board (PTAB)
- Case Number: CBM2014-000008 (filed October 11, 2013)
- Nature of Suit: Patent
- Retained by: Westlake
- Counsel: Fish & Tsang, LLP
- Technology: Auto loan underwriting and processing (FoxPro)

Symantec Corporation v. Veeam Software Corporation (2013)

- Jurisdiction: N.D. Calif.
- Case Number: C 12-00700 SI (filed May. 31, 2012)
- Nature of Suit: Patent
- Retained by: Veeam
- Technology: VMware ESX and Microsoft Hyper-V

Certain Electronic Devices Having A Retractable USB Connector (2012)

- Jurisdiction: International Trade Commission (ITC)
- Case Number: ITC-337-TA-843 (filed May 24, 2012)
- Nature of Suit: Patent
- Retained by: OUII
- Technology: Digital cameras and related devices with retractable USB connectors

Certain Electronic Devices with Communication Capabilities, Components Thereof, and Related Software (2012)

- Jurisdiction: International Trade Commission (ITC)
- Case Number: ITC-337-TA-808 (filed September 30, 2011)
- Nature of Suit: Patent
- Retained by: OUII
- Technology: Mobile phone touch screens

Certain Microprocessors, Components Thereof, and Products Containing the Same (2012)

- Jurisdiction: International Trade Commission (ITC)
- Case Number: ITC-337-TA-781 (filed July 7, 2011)
- Nature of Suit: Patent
- Retained by: OUII
- Technology: Microprocessor power conditioning hardware

Professional Experience

Certain Electronic Devices, Including Wireless Communication Devices, Portable Music and Data Processing Devices, and Tablet Computers (2012)

- Jurisdiction: International Trade Commission (ITC)
- Case Number: ITC-337-TA-794 (filed August 1, 2011)
- Nature of Suit: Patent
- Retained by: OUII
- Technology: LTE stack

Certain Computer Forensic Devices and Products Containing the Same (2012)

- Jurisdiction: International Trade Commission (ITC)
- Case Number: ITC-337-TA-799 (filed August 29, 2011)
- Nature of Suit: Patent
- Retained by: OUII
- Technology: Hard drive recovery and forensics

Certain Toner Cartridges and Components Thereof (2012)

- Jurisdiction: International Trade Commission (ITC)
- Case Number: ITC-337-TA-829 (filed February 27, 2012)
- Nature of Suit: Patent
- Retained by: OUII
- Technology: Inkjet printer cartridges

Honeywell Int'l, Inc. v. United States (2012)

- Jurisdiction: U.S. Ct. Fed. Claims
- Case Number: No. 02-1909 (filed December 5, 2012)
- Nature of Suit: Patent
- Retained by: U.S. Ct. Fed. Claims
- Technology: In-helmet cockpit display

John Mezzalingua Associates, Inc. v. PCT International, Inc. (2010)

- Jurisdiction: W.D. Texas
- Case Number: 5:09-cv-00410 (filed May 22, 2009)
- Nature of Suit: Patent
- Retained by: John Mezzalingua Associates
- Technology: RF (F-type) coaxial cable connectors

Coaxial Cable Connectors and Components Thereof and Products Containing Same (2009)

- Jurisdiction: International Trade Commission (ITC)
- Case Number: ITC-337-TA-650 (filed May 30, 2008)
- Nature of Suit: Patent
- Retained by: John Mezzalingua Associates, Inc.
- Technology: RF (F-type) coaxial cable connectors

Software-Related Testimony

Wipro Limited v. State of Nebraska

- Jurisdiction: Lancaster Co. Dist. Ct.
- Case Number: D02CI190000676 (filed March 4, 2019)
- Nature of Suit: Breach of Contract
- Testimony: Expert report, affidavits relating to discovery and production disputes

FinancialApps LLC. v. Evestnet, Inc., No. () (2020)

- Jurisdiction: Dist. Del.
- Case Number: 19-1337-CFC-CJB (filed July 17, 2019)
- Nature of Suit: Trade Secret Misappropriation
- Testimony: Opening and rebuttal expert reports, affidavits relating to discovery and production disputes

Penrose Hill, Limited et al. v. Mabray

- Jurisdiction: N.D. Calif.
- Case Number: 4:20-cv-01169 (filed February 14, 2020)
- Nature of Suit: Libel
- Testimony: Declaration relating to discovery and production disputes

VoterLabs, Inc. v. Ethos Group Consulting Services LLC

- Jurisdiction: Dist. Del.
- Case Number: 1:19-cv-00524 (filed March 15, 2019)
- Nature of Suit: Breach of Contract
- Testimony: Declaration relating to discovery and production disputes

Morris Development, Inc. v. Extreme Impact, Inc.

- Jurisdiction: CA
- Case Number: 16CV003781 (filed November 23, 2016)
- Nature of Suit: Copyright and Breach of Contract
- Testimony: Expert Report, Deposition, Trial

Lisa M. Ostella v. Orly Taitz (2018)

- Jurisdiction: C.D. Calif.
- Case Number: 8:11-cv-00485 (filed March 29, 2011)
- Nature of Suit: Libel
- Testimony: Expert declarations

Certain Road Milling Machines and Components Thereof

- Jurisdiction: International Trade Commission (ITC)
- Case Number: ITC 337-TA-1067 (filed July 10, 2017)
- Nature of Suit: Patent
- Testimony: Expert Report, Deposition, Trial

Software-Related Testimony

Golden et al. v. Clear Advantage Marketing, et al.

- Jurisdiction: S. D. Iowa
- Case Number: 4:2016-cv-00529 (filed September 30, 2016)
- Nature of Suit: Copyright, Trade Secret
- Testimony: Opening and rebuttal expert reports

***Kemper Corporate Services Inc. v. Computer Sciences Corporation et al.* (2016)**

- Jurisdiction: AAA Arbitration
- Case Number: n/a
- Nature of Suit: Breach of Contract
- Testimony: Expert affidavit

Robert Nekoroski et al. v. Shajy Mathai et al. (2014)

- Jurisdiction: CA
- Case Number: 1184CV04315 (filed November 29, 2011)
- Nature of Suit: Trade Secret
- Testimony: Opening and rebuttal expert reports

Education

- **Master of Law (LLM.)**, International Business and Economic Law, Georgetown University Law Center, Washington, DC
- **J.D.**, Georgetown University Law Center, Washington, DC
- **M.S.**, Computational Chemistry, Stony Brook University, NY
- **B.S.**, Biology and Chemistry, Stony Brook University, NY

Admissions:

- State Bar of Virginia (2018)
- State Bar of California (2013)
- United States Patent and Trademark Office, Registration Number 64493 (May 2009)

Patents:

- Patent Application No. 15/424,102 (abandoned)

Publications:

- Pflaum, Isaac, and Emmeline Hateley. "A bit of a problem: National and extraterritorial regulation of virtual currency in the age of financial disintermediation." *Geo. J. Int'l L.* 45 (2013): 1169.

Employment History

- Software Litigation Consultant at Quandary Peak, Los Angeles, CA (Sept 2018 – Present).
- Software Litigation Consultant at DisputeSoft, Potomac, MD (June 2013 – Sept 2018).
- Legal Intern at the White House Office of Science and Technology Policy (January –

CV of Isaac Pflaum
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April 2013).

- Legal Intern at the U.S. Department of Justice Criminal Division, Fraud Section (September – December 2012).
- Law Clerk at the United States International Trade Commission, Office of Unfair Import Investigations (June – August 2012).
- Judicial Intern to Honorable Susan G. Braden, U.S. Court of Federal Claims (January – May 2012).
- Judicial Intern to Honorable Judith N. Macaluso, District of Columbia Superior Court (September – December 2011).
- Legal Intern at the United States Patent and Trademark Office, Office of Patent Legal Administration (June – August 2011).
- Summer Associate at Hiscock & Barclay, LLP (June – August 2010).
- Patent Agent at Marjama, Muldoon, Blasiak & Sullivan, LLP (June – August 2009).