

Shahzad Ahmad

Principal Biomedical and Health IT Consultant

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Quandary Peak Research

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As a Principal Biomedical and Healthcare IT Consultant, I have extensive understanding and knowledge of the enterprise healthcare IT landscape in both EHR systems as well as medical devices.

My experience includes bioengineering research of early detection technologies for debilitating diseases. I excel at working with C-level executives and analyst teams to design creative technical solutions to challenges facing healthcare technology. Lately, my focus aims to help clients navigate regulatory standards, software quality, project management, and patient safety.

Education

B.S. in Bioengineering, Business and Chemistry Minor

University of Illinois at Urbana-Champaign | 2014

Employment

Principal Biomedical and Health IT Consultant

Quandary Peak Research | Chicago, IL | Aug 2021–Present

- Provide expert consulting for major health IT software vendors and government agencies including HHS and OIG on matters involving compliance and industry best practices on quality management systems, SDLC, risk management, patient safety, project management, and software usability.

Product Team Lead

Haemonetics | Nov 2018–Aug 2021

- Manage the entire lifecycle of medical devices designed to produce Thromboelastography (TEG) tracings, used to characterize blood clotting.
- Own development of roadmaps and software requirements for both device firmware and results viewer software.
- Responsible for the overall compliance of the product to internal standard operating procedures and external guidelines set by regulatory agencies such as the Food and Drug Administration (FDA) and the General Data Protection Regulation (GDPR).
- Align efforts with marketing, operations, and development to ensure software is meeting the demands of the marketplace.

Technical Project Manager

Epic Systems | Jan 2015–May 2018

- Guide C-level executives on the use of population health tools such as predictive analytics, data warehouses, telemedicine, and inclusion of external data to improve patient outcomes.
- Spearhead creative technical solutions to meet customers' needs including designing workflows to increase physician efficiency, better patient outcomes, and increase healthcare institution's bottom line.
- Lead teams of 4–20 individuals with diverse skills sets including analysts, trainers, and technical system administrators; ensuring multiple successful implementations by creating and managing project plans, tracking interim milestones, and ensuring dates are met for smooth go-lives.
- Manage the technical implementation for 8+ clients of EHR software deploying over \$750M+ of big data software for top health care institutions nationally.
- Conduct weekly (50+) technical audits as the overall internal success owner of lab workflows and install processes to ensure designed workflows meet best practice standards as well as work with developers to ensure development meets customer needs.

Research Assistant

University of Illinois at Urbana-Champaign | Dec 2012–Dec 2014

- Developed procedure for electrical detection of microRNA using silicon field effect transistor device array for early detection of cancer biomarkers.
- Performed intensive bioengineering data analysis using Matlab and Excel and presented weekly updates.
- Led, trained and mentored undergraduates on research protocols and methods.

Production Manager

University of Illinois at Urbana-Champaign | May 2014–Dec 2014

- Produced and distributed interactive web content which facilitated increased multi-campus exposure to the field of nanotechnology.
- Managed, scheduled, and instructed 3-member team on recording and editing lectures relating to nanotechnology and worked to maintain organization website and YouTube accounts.
- Utilized Adobe Creative Suite to design interactive web content templates to allow students to easily visualize lecture content.

Litigation Consulting

- **Teri Ginnan, Estate of Edward J. Ginnan, IV, Deceased v. Tanmay P. Patwa, M.D., Southwest Infectious Disease Associates, and Silver Cross Hospital and Medical Centers** | Feb 2024–Present
Jurisdiction: Circuit Court of Illinois, Twelfth Judicial Circuit, Will County
Case Number: 20 L 509
Counsel: Langhenry, Gillen, Lundquist & Johnson, LLC
Nature of Suit: Medical Malpractice

- **Priscilla Salcedo v. Stride Adult Residential Facility L-3, Los Angeles County Regional Center** | Feb 2024–Present
 Jurisdiction: Superior Court of The State Of California, County of Los Angeles
 Case Number: 22PSCV00977
 Counsel: Murchison & Cumming LLP
 Nature of Suit: Medical Malpractice
- **Austin Roberts v. Iowa Health System, Trinity Medical Center, Afzal Abdullah, M.D., Michael Barr, M.D., Ubaid Sherwani, M.D., Rajesh Alla, M.D., Quad Cities Nephrology Associates, Steven Cremer, M.D. and Iowa Physicians Clinic Medical Foundation** | Nov 2023–Present
 Case Number: 2020 L 76
 Counsel: Quinn Johnston
 Nature of Suit: Medical Malpractice
- **Madelyn Hammock v. Hackensack Meridian Health** | Oct 2023–Present
 Jurisdiction: Superior Court of New Jersey
 Case Number: MON-L-003760-21 - 20510
 Counsel: Walsh Pizzi O'Reilly Falanga LLP
 Nature of Suit: Medical Malpractice
- **Patricia Natiss v. Kenneth Natiss** | Oct 2023–Present
 Jurisdiction: Stamford Superior Court
 Case Number: FST-CV21-5024830-S
 Counsel: Cohen and Wolf, P.C.
 Nature of Suit: Divorce Settlement
- **Lena Williams v. Kaiser** | Sept 2023–Present
 Jurisdiction: California
 Counsel: Williams Law Firm
 Nature of Suit: Breach of Contract, Medical Malpractice, Arbitration
- **Kristen Dondero, et al. v. Yaakov Abdelhak, M.D.** | Aug 2023–Present
 Jurisdiction: Superior Court of New Jersey Bergen County
 Case Number: BER-L-3527-20
 Counsel: Walsh Pizzi O'Reilly Falanga LLP
 Nature of Suit: Medical Malpractice
- **Estate of Kimberly Fazekas, Deceased, v. Franciscan St. Margaret Health – Dyer, et. al.** | Aug 2023–Present
 Jurisdiction: Lake Superior Court State of Indiana
 Counsel: Krieg DeVault LLP
 Nature of Suit: Medical Malpractice
 Health IT System: Epic
 Review and analyze electronic health records and audit trails
- **Richard Lasiw v. Hackensack University Medical Group** | June 2023–Present
 Jurisdiction: Superior Court of New Jersey, Appellate Division
 Counsel: Walsh Pizzi O'Reilly Falanga LLP
 Nature of Suit: Medical Malpractice
 Health IT System: Epic
 Review and provide analysis of electronic health records, audit logs, and system configurations for the Epic EHR.

- **Lifescience Technologies, LLC, v. Mercy Health, Mercy ACO Clinical Services, Inc. and Myia Labs, Inc.** | Apr 2023–Present
Jurisdiction: U.S. District Court, Eastern District of Missouri
Counsel: Stinson LLP
Nature of Suit: breach of contract, trade secret
 Providing analysis of trade secrets and trade secret misappropriation in health IT applications including virtual health and telehealth.
- **Kasandra Izquierdo v. The New York and Presbyterian Hospital** | Apr 2023–Present
Jurisdiction: Supreme Court of the State of New York County of Bronx
Counsel: Heidell, Pittoni, Murphy & Bach, LLP
Nature of Suit: Medical Malpractice
Health IT System: Eclipsys (Now Allscripts/ Veradigm)
 Review and analyze electronic health records, audit trails, and production from retired EHR systems and migration of data to new EHR systems.
- **Arianne McCain v. Northwestern Memorial Healthcare** | March 2023–Present
Jurisdiction: Circuit Court, Cook County Illinois
Counsel: Motherway & Napleton, LLP
Nature of Suit: Medical Malpractice
Health IT System: Epic
 Review and analyze electronic health records, audit trails, and InBasket messages
- **Amy Fleschert v. Cedars-Sinai Medical Center** | Feb 2023–Present
Jurisdiction: Superior Court of California, County of Los Angeles
Counsel: Carpenter law
Nature of Suit: Class Action, Medical Billing
Health IT System: Epic
 Review and analyze billing information to aid in determination of system export capabilities regarding medical billing
- **Joao Martins v. Michael Curi, M.D.** | Feb 2023–Feb 2023
Jurisdiction: Superior Court of New Jersey, Law Division: Middlesex County
Counsel: Farkas & Donohue, LLC
Nature of Suit: Medical Malpractice
Health IT System: Sunrise McKesson (Now Allscripts)
 Review and analyze electronic health records, audit trails, to determine edits made to clinical notes.
- **Hayden Mac Ingram v. Cerner Health Services** | Feb 2023–Present
Jurisdiction: Circuit Court Of Jefferson County, Alabama
Counsel: Hare, Wynn, Newell & Newton, LLP
Nature of Suit: Medical Malpractice
Health IT System: Cerner
 Review and analyze electronic health records, system configurations, and system generated artifacts along with internal development documents to determine the nature of microbiology laboratory results display.
- **James Barcz v. Mercy Hospital Cedar Rapids Iowa** | Nov 2022–Present
Jurisdiction: Iowa District Court for Linn County
Counsel: Hayes Lorenzen Lawyers, PLC
Nature of Suit: Medical Malpractice
Health IT System: Epic
 Review and analyze electronic health records, audit logs, and automated vitals machine data.

- **Sarah Trotta v. Community Health Network** | Oct 2022–Jan 2023
Jurisdiction: Marion County Indiana Superior Court
Counsel: Zeigler Cohen & Koch
Nature of Suit: Medical Malpractice
Health IT System: Epic
Review and analyze electronic health records and EHR configurations for display of laboratory results.
- **Andrew Puglisi v. Maria N. Musso, D.O.** | Sept 2022–Oct 2022
Jurisdiction: Supreme Court of the State of New York, County of Queens
Counsel: Bamundo Zwal Schermerhorn & Caffrey, LLP
Nature of Suit: Medical Malpractice
Health IT System: eClinicalWorks (eCW)
Review and analyze electronic health records, audit logs, and determine what information has been shared and with whom.
- **Ruth Elsie Sowder v. Louis Kattine, M.D.** | July 2022–Aug 2022
Jurisdiction: Montana Fourth Judicial District Court Missoula County
Counsel: Hall Booth Smith
Nature of Suit: Medical Malpractice
Health IT System: Epic
Review and guide client on subpoena requests for audit trails across multiple Epic features such as InBasket messages and Sticky Notes. Review relevant audit trails and electronic health records.
- **Tony L. Sylvester v. University of S. Alabama Health Services Foundation (representing Laboratory Corporation of America Holdings)** | July 2022–January 2023
Jurisdiction: Circuit Court, Mobile County Alabama
Counsel: Lewis Rice, LLC
Nature of Suit: Medical Malpractice
Health IT System: LabCorp, NextGen, Cerner
Review and analyze electronic health records, audit logs, interface messages (HL7) relevant to the case. Provide expert analysis on industry standard laboratory information system (LIS) integration with EHR systems.
- **Angela Prieto v. Rush University Medical Center** | July 2022–Present
Jurisdiction: Circuit Court, Cook County Illinois, Case No. 18 L 003531
Counsel: Swanson, Martin & Bell LLP
Nature of Suit: Medical Malpractice
Health IT System:Epic
Review and provide analysis of electronic health records, audit logs, and system configurations for the Epic EHR.
- **Byron Foxie v. Ann and Robert Lurie Children’s Hospital of Chicago and Almost Home** | July 2022–Present
Jurisdiction: Circuit Court, Cook County Illinois, Case No. 19 L 7430
Counsel: Barker, Castro & Steinbeck, LLC
Nature of Suit: Medical Malpractice
Health IT System: Epic
Assist with the review and discovery production of electronic health record information relevant to the case. Provide analysis of electronic health records, audit logs, and system configurations for the Epic EHR.

- **Estate of David Rose and Carol Ann Rose v.**

Medical Information Technology Inc. (MEDITECH) | Apr 2022–June 2022

Jurisdiction: Superior Court of New Jersey

Counsel: Sills Cummis & Gross P.C.

Nature of Suit: Medical Malpractice

Health IT System: Meditech

Perform forensic analysis to evaluate and recreate medication prescription generation and transmission of prescriptions to pharmacies. Review and analyze electronic health record audit logs, system configurations, and system generated artifacts.

- **People of the State of California; Aetna Health of California v.**

Dr. Shahrokh Dayyani | Nov 2021–June 2022

Jurisdiction: Superior Court, State of CA, County of Los Angeles

Counsel: Kennaday Leavitt PC

Nature of Suit: Healthcare Billing Fraud

Assist with the review and discovery production of electronic health record information relevant to the case. Provide analysis regarding industry standards for electronic health record audit logs.

Management, Audits, & Compliance Consulting

MAK-SYSTEM Group | Apr 2024–Present

- Provided training to MAK-SYSTEM personnel to prepare for FDA audit including content, audit process, and preparedness strategies.
- Performed a mock audit utilizing the FDA's Quality Systems Guide to Inspections of Quality Systems. Based on QSR and other applicable 21 CFR Part 800 and ISO 13485 requirements.
- Incorporated applicable FDA guidance such as General Principles of Software Validation; Final Guidance for Industry and FDA Staff (2002) and the ISO 14971 and 62304 standards.

Bluesight, Inc. | Nov 2022–Feb 2023

- Conducted management advisory services related to assessment of effectiveness of organizational strategy as executed through technology processes and functions, people, structure, and culture.
- Participated in interviews with key stakeholders to gather information and reviewed various systems of records to identify shortcomings in processes.
- Authored comprehensive report outlining gap findings along with recommendations on how to resolve them.

MedAdvisor Solutions | Oct 2022–Present

- Performed advisory services related to implementing a robust product management function along with a standard software development lifecycle process (SDLC).
- Conducted a comprehensive analysis of entire companies SDLC and generated artifacts to identify gaps and areas for improvement.
- Authored an extensive report outlining gap findings along with recommendations on how to resolve them.
- Embedded within technology and product teams to guide implementation of best practice recommendations.
- Guided organization on the creation of a product team
- Created a new SDLC standard operating procedure (SOP) and trained teams to ensure compliance.

eClinicalWorks, LLC and Office of the Inspector General | May 2019–May 2022

- Serve on the Software Quality Oversight Organization under the Corporate Integrity Agreement between eCW and the OIG of HHS
- Act as an independent auditor and oversight organization covering a technical review of EHR software and development processes as it relates to patient safety.
- Provide recommendations to align company practices with industry best practices and foster a patient safety culture.
- Authored numerous reports and memorandums documenting findings and adherence to recommendations regarding software quality, project management, DevOps, quality assurance, clinical informatics, security, and standards.

Journal and Magazine Articles

- Shahzad Ahmad | 2023

[*Navigating Electronic Health Records Discovery in Medical Professional Liability Claims*](#)

Inside Medical Liability

Honors and Awards

- **President's Award**, University of Illinois
- **SCC Presidential Award Excellence in Mathematics**
- **SCC Presidential Award Excellence in Physics**
- **Class of 2010 Salutatorian**
- **Eagle Scout Award**, Boy Scouts of America

Certifications

- **Six Sigma Green Belt**
- **Epic Healthy Planet**
- **Epic Patient Portal**
- **Epic Reporting**
- **Epic Stork**
- **EpicCare Ambulatory**
- **EpicCare Link**

Skills

Technical: Data Analysis, Visual Basic for Applications (VBA), Matlab, R, HL7 Standards, Epic Systems, Arduino, Lab-on-a-chip

Apps: Microsoft Office, Microsoft Project, Microsoft Excel Dashboards & Pivot tables, Adobe Creative Suite

Laboratory Skills: qPCR, ELISA, fluorescent microscopy

Admin: Project Management Consulting, Cross-functional Team Leadership, Six Sigma Lean Methodology

Personal: Public Speaking, Teamwork, Customer Service