

Sample Name

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Qualified By

An articulate and innovative medical informaticist, and certified Epic Physician Builder with a proven track record in design and implementation of systems, who understands the health care delivery process using established health care systems to enhance and transform healthcare, outreach, safety and patient relationship management. Qualified by, seventeen years of project leadership experience with in-depth knowledge of internal technological systems, interfaces and medical sciences to reinforce telehealth and tele-education.

I am board certified in 2016 in Neurology, and Board Eligible in Vascular Neurology and Informatics.

Informatics Engagements

- **Associate Chief Medical Information Officer and Practicing Pediatric Neurologist– Spectrum Health, Grand Rapids, Michigan November 2012 – Oct 2015.**
- o **Interim Executive Sponsor, Inpatient Informatics Business Co-Lead of MyHealth for Meaningful Use Measures View Download and Transmit and Secure Messaging**
– MyHealth Patient Portal has achieved adoption from less than 1,000 patients to 100,000 patients in a period of seven months with successful completion of View Download and transmit. Spectrum Health System includes 700,000 patients, 1000+ providers including medical groups and hospital groups and estimated thirty-two million dollar gain from meaningful use program. I was assigned to the project and successfully attained the goal within target timeframe. Responsibilities included understanding people, process, technology and culture and governance in the hospital group and medical group.
 - o Served as Usability Co-Expert and also served in product design
 - o Was responsible for strategizing certification by understanding Drumond and CCHIT certification portals
 - o Co-led creation of telehealth timeline as related to patient portal
- o **Lead for Meaningful use measure for Cerner EH Clinical Decision Support and Consultant for Epic EP Clinical Decision Support measure for meaningful use. Elevated level of consciousness to really meet the intent of the measure.**

- o **Business Co-Lead and Champion of Secure Messaging as a first step to Telehealth**
Successful in championing 50% of providers in first 90-day reporting period to adopt patient portal secure messaging.
- o **Business Strategy Consultant Telehealth and Co-Lead Telehealth Summit –**
Chief Spectrum Health Consultant on Telehealth and delivery and adoption of telehealth.
 - o Creator of Vision for Governance and Structure for sustainance for future Telehealth Program
 - o Voice of Reason for use cases and webex based telehealth program
 - o Cultural Awareness Lead with individual contribution of Inspirational Stroke Based Telehealth Video and in arranging speakers for summit – April 2013, Grand Rapids, Michigan
- o **Helen Devos Children’s Hospital – CMIO**
 - o Organized and Championed Elevation of Nursing Education Program to Informatics Program in Helen DeVos Children’s Hospital
 - o Used Influence to inspire ownership of 1000+ Alerts in Cerner to be reviewed and evoked by HDVCH team
 - o Championed Pediatric Cardiology Program to adopt use of Epic despite enormous gradient
 - o Ethical voice of reason to IS about 9000+ proxy accounts preventing adequate secure messaging. Identified the problem and created a video documentary of patients not being able to log in, which led to IS understanding the problem
 - o Worked with IS team closely in trouble shooting and creating a process analysis to get to the root cause of the problem
 - o Expert in Adolescent Access Issues and co-champion for pilot for adolescent access in partnering with compliance and legal
- o **Co-Lead Center for Evidence Based Practice**
 - o **Organized Summit 2015** – Speakers to be arranged and in process of arranging buy in. Secured funding in Spring 2014
 - o **Clinical Decision Support – Cerner**
 - Created Ready Set Go Program Pilot and infrastructure to lead adoption of ZynxHealth after System multiple times trials without adoption
 - Currently PowerPlan and OrderSet Review of 1000+ Power Plans in Progress
 - Decreased Alert Fatigue from 1.2 Million rule first to 500,000 rule fires.
 - Decreased Alert Fatigue for Beta Blocker, ACE Inhibitor Rule, Arb Rule
 - Created process for organized rule review
 - Oversaw Epic – Ambulatory review of 5000 Smart Texts and Smart Sets

- **Total Parenteral Nutrition** – Drove solution in Cerner after years of stand still to create powerform that is to be adopted by the entire system.
 - Created alliance with DMC Health to understand different TPN Solution
 - Estimated - \$3 Million Dollar Savings

- **Co-Lead for Communication Types in Cerner** – Discovered 19 communication types in Cerner leading to multiple unsigned medication orders and potential safety events in Cerner. Led presentations and championed support and obtained executive sponsorship for the project at Vice Presidential and Presidential level. Personally responsible for ethical call to executive leadership to act to correct Communication Orders going unsigned by providers leading to strong partnership between IS informatics and compliance.

- **Served as Executive Consultant for Virtual Integrated Patient Record used for Transitions of Care, understanding Blue Button, Push and Pull technology.** \$3 million dollar gain for system.

- **Diabetes Rapid Improvement Project** – Served as lead informatics consultant for rapid improvement project for diabetes, outlining current state and Epic capabilities for CDS Ambulatory.

- **Physician Champion** – EPIC Install Physician Champion. (2004-2006)

- **Johns Hopkins Medinformant** – Install Champion 2008-2012 – Mobile Software Developer to decrease patient readmissions. Developed Ipad, Ipod Software and in pre-alpha phase at Johns Hopkins Hospital and Kennedy Krieger Institute. Engaged in developing employed principles of consistency, clarity, aesthetics and minimal design to champion creation of a prototype.

- **Telemedicine to the UAE and Dubai (Facebook Page)** – President and CEO - Telemedical paid second opinion consultation to UAE/Dubai, now combined with Phytube.com. 541 Users (2010-Present)

- **JustAnswer.com** – Telemedical Neurology Consultant - Provide paid consultation services for patients asking neurological questions online. (2010-Present)

- **Phytube.com Tele-education/Telemedicine** President and CEO - Video portal Youtube.com (**Clinicalfeedback**). Forty pharmaceutical video publications used by Stanford, Johns Hopkins Medicine and other institutions to use tele-education for patient safety and health care delivery. 45,000 users to date. (2007-Present)

- **Child Neurology Society (CNS) Informatics Committee Resident** – Worked as Resident on CNS Informatics Committee with Dr. Michael Segal – Mass General Child Neurology, President and CEO, Simulconsult, Inc. (2007-2010)

- **Chief Resident Lecture Series Johns Hopkins and Kennedy Krieger Institute** – Led Friday afternoon lecture series for four years with Bruce Shapiro, M.D., Professor of Pediatrics and Neurodevelopmental Disabilities. Chief Resident year was dedicated to technology advances in medicine along with telemedical delivery techniques for faculty and residents.
- **Chief Resident Broadcast Informatics Grand Rounds Johns Hopkins** - Guest lecturer for Dr. Harold Lehmann, M.D. (Director, Johns Hopkins Informatics), Friday Informatics Conference Series. (2006-2010)
- **EPIC Install Liaison UTMB** – Worked with Joan Richardson, M.D. Chairman of Pediatrics at UTMB, Executive Vice President. Involvement inclusive of CPOE, and other decision support systems. Responsibilities involved trouble shooting, physician buy in, physician support and process mapping for residents and faculty during role out. (2004-2006)
- **Research Study: Northwestern Nanotechnology Lab: Gajendra Shekawat, Ph.D. Tele-healing - What is the effect of faith based healing on In Vitro Cancer Cells.?** Research study completed. Abstract in progress. (2008-2010)
- **Johns Hopkins Technology Transfer of Distance Based Diagnosis of Developmental Disability Using Telemedicine** – Co-Author: Bruce Shapiro, M.D., Program Director and Vice President Training – Kennedy Krieger Institute– Abstract submitted. Manuscript completed. Technology transfer with Toys R Us incorporated initiated with Alex Goldelman (VP Toys R Us) – PAS Abstract Acceptance. (2006-2010)
- **Medinformant Technology Transfer to decrease Patient Readmission - Johns Hopkins Technology Transfer Incorporation** – President and CEO Medinformant Project - Serving as change agent with Pharmacy Therapeutics Committee in ongoing effort to increase and reinforce patient understanding after discharge - Johns Hopkins Inpatient Discharge Project. Investigators are Paul Lipkin, M.D., and Michael Johnston, M.D., Ron Peterson, CEO Johns Hopkins Health System, Stephanie Reel, CIO Johns Hopkins Health System and Peter Greene, MD, CMIO Johns Hopkins Health System. (2007-2010) <mailto:sreel@jhmi.edu>
- **Clinical EPR Comparison and Internal Systems Integration** - Clinical EHR and internal systems integration of Siemens Electronic Health Record with Meditech Laboratory System for Bay Area Health System, Coos Bay Oregon, as thesis project while at OHSU. An internal systems based analysis approach to bring a cohesive internal system to Coos Bay Oregon. Systems at that time were disjointed. My consulting was used

to bring a cohesive medical communication between systems and pharmacy at the Bay Area Health System under Retired President and CEO – Dan Smith. (2001)

- **Johns Hopkins Clinical Research Study: Parent understanding and satisfaction after watching a video about epileptics and stimulants.** Abstract completed. Manuscript completed. Technology transfer in process with JHUTT to implement Medinformant system. (2007-2010)
- **Senior Consultant for Pluralsoft and Clinicio** – EHR solution for underserved communities, implementation in Pune, India. Served as relationship manager, EPR, and design consultant for patient satisfaction. (2004)
- **Johns Hopkins - Greenmount Computer Center – Telemedicine Education and Training** – Voluntarily managed 4 community leaders, 1 faculty member with 9 volunteer students and one full time employee while an undergraduate. Brought together major institutions such as Johns Hopkins and Kennedy Krieger Institute to create state of the art computer lab to Greenmount Avenue by raising \$350,000 of funding from national foundations to develop and implement state of the art Computer Training Facility. Facility hails in underserved community of Harwood, Greenmount Computer Center (Baltimore, MD). Grant funding was received from Microsoft, Gates Foundation, Enterprise Foundation and Abell Foundation. Program was replicated in all 60 recreation centers in Baltimore by the department of parks and recreations. Students learn business consulting and advertising along with entrepreneurship. Future plans for the center are to use this for the video creation process for pharmaceutical medications to increase interest in the sciences and business. My involvement was from (1994-1999) and (2006-2010).

Education

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| 8/1994 –5/1999 | B.S. Computer Science: Medical Informatics | Whiting School of Engineering, Johns Hopkins University |
| 6/1999 – 6/2003 | Doctor of Medicine Concentration: Health Care Informatics | Oregon Health & Science University |

Post Graduate Training

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| 2/2016 - Present | Vascular Neurology Fellow | Henry Ford Health System |
| 6/2003-1/2004 | Internship, General Surgery | Oregon Health & Science University |
| 6/2004-6/2006 | Residency, Pediatrics | University of Texas-MedBranch |

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| 6/2006-7/2010 | Combined Neurodevelopmental *Neuroinformatics Concentration Research and Clinical Fellowship *Chief Resident/Fellow 2009-2010 | Johns Hopkins University Kennedy Krieger Institute |
| 11/2010 – 3/2011 | Procedural Fellowship | Spine one Pain Management |
| 4/2011 – 10/2012 | Neurologist | Colorado Springs Health Partners |

6/2009 -6/2010

Licensure and Certification

- USMLE Step 1, Passed 11/2002
- USMLE Step 2, Passed 5/2004
- USMLE Step 3. Passed 11/2005
- Colorado License to Practice, Michigan License
- Board Certified, Neurology - 2017

Honors and Awards

- 1998, 1999 Outstanding Student Award, Johns Hopkins University
- 1998 - Present Board Member, Carson Scholars Fund
- 2001 - 2003 All Hill Council, Student Body Elected Representative, OHSU
- 2003 Rose Award, Outstanding Patient Care, OHSU
- 2004 - 2005 Resident Council Member, Elected Representative UTMB
- 2007 CNS Resident Representative of Medical Informatics Group
- 2009 American Academy of Neurology Scholarship Recipient

Lecture Series

- 2006 Sexintegrity/Stop HIV and AIDS through telemedical means.
- 2007 CNS Case Presentation: Metachromatic Leukodystrophy in a two-year-old child.
 - Publication: Online Learning Center for CNS – Director M. Segel, MD, – Massachusetts General Hospital.
- 2007 Lecture: Attention Deficit Hyperactivity Disorder, presented to Pediatric Residents (PGY2) as part of their core lecture series.
- 2007 Medinformant/Phytube Videos Published: 40 covering all Epileptic and Stimulant Medications – presented at CNS (PGY3).
- 2007 Lecture: Cerebral Palsy, presented to Pediatric Residents (PGY2) as part of their core lecture series.
- 2007 Lecture: Pupil Examination, presented to Pediatric Residents (PGY2) as part of teaching conference.

- 2007 Lecture: Autism, presented to Pediatric Residents (PGY2) as part of their core lecture series.
- 2007 Lecture: Telemedicine in HIV/AIDS and Neurodevelopmental Disabilities, presented to NDD Residents research lecture series.
- 2007 CAT/CLAMS – Telemedical Developmental Examination of the child presented to Pediatric Residents (PGY2) as part of their core lecture series.
- 2008 Pediatric Neurology Grand Rounds Presentation, Johns Hopkins Hospital, Case Presentation – A child with metabolic neurodegenerative disorders presented to Neurology and Developmental Medicine Faculty.
- 2008 Down Syndrome, Developmental Medicine Lecture Series Presentation.
- 2008 Five Part: Lecture Series – Chairman’s Rounds: EMG and Neuromuscular Disorders presented to NDD Residents Didactic Conference.
- 2008 Two Part: Lecture Series – Chairman’s Rounds: Telemedicine in Pain Medicine presented to NDD Residents Didactic Conference.
- 2008 Lecture Series: Chairman’s Rounds: Telemedical Pain Management, Neuropathic Pain presented to NDD Residents Didactic Conference.
- 2008 Lecture Series: Telemedical Stroke: Anti-Thrombolytic Therapies presented to NDD Residents Didactic Conference.
- 2009 Fellows Talk and Pediatric Grand Rounds Presentation and: Abstract presented at 2009 American Neurologic Academy Poster Presentation in Baltimore, MD: Manuscript in progress.
 - Cerebellar Hypomyelination and Seizure Disorders: A New Nosologic Entity in five children.
- 2009 Fellows Talk
 - Developmental Informatics: Abstract submitted to PAS (Spring 2010 and AMIA Fall, 2010). Manuscript in progress.

OTHER ACCOMPLISHMENTS

- 1997 – Present
 - Serve as non-active board member and have raised \$200,000 for Ben Carson Scholarship Fund in Baltimore, Maryland.

MEMBERSHIPS

- American Medical Informatics Association
- Pediatric Academic Society
- American Academy of Pediatrics
- American Academy of Neurology
- Child Neurology Society
- Kennedy Fellows Association