



Brian Palmer

Healthcare Interoperability & Informatics Leader

Cloud architect with expertise in AWS, GCP and Azure.

Passionate about problem solving, new technologies, information design and analysis.

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Competencies

Large heterogenous data integration & normalization, HL7, FHIR, APIs, Health Analytics and Population Health

Healthcare

Sentara & Optima Health (TEKsystems)

Practice Architect 2021 - 2024

- Led multidisciplinary teams (DevOps, API Developers, Governance, UX) to create unified interfaces for provider and payer information using HL7 FHIR, ensuring compliance with the ONC CURES Act.
- Developed “Signature Experiences” to deliver top-tier integrated solutions for patients.
- Designed and implemented RESTful APIs for core patient and billing FHIR resources.

Wellmark Blue Cross / Blue Shield (Apex Systems)

Interoperability FHIR / API Leader 2020 - 2021

- Managed and directed multiple teams (onshore and offshore) to ingest disparate data into 30+ FHIR (Fast Healthcare Interoperability Resources) for ONC Final Rule compliance.
- Developed an interoperability platform to consolidate electronic health data for application layer consumption.

1upHealth, Inc

Head of Engineering & Operations 2018 –2020

- Led the development of an interoperability platform for the integration, analysis, and interrogation of electronic health data.
- Directed population health data services for Children’s Hospital Boston, IBM, and Aetna.
- Developed data warehousing solutions for disparate EHR systems including Epic, Cerner, Meditech, and Allscripts.
- Created integrated FHIR solutions for clients using standard APIs - SMART on FHIR.
- Organized hiring, employee development, and overall company operations.

US Veterans Administration

Data Scientist, Integrator & Cloud Developer 2011 – 2012

- Created a data warehouse containing 6 million veteran profiles from 15 disparate government systems.
- Ensured compliance with VA, HIPAA, and PI standards through ETL/ELT modeling, continuous integration, API development, and reporting.
- Developed web services for the Epidemiology Research and Information Center.

Children’s Hospital Boston

Project Manager 2008 – 2011

- Designed and developed the early framework for patient Electronic Health Records.
- Captured multi-departmental requirements and documented existing health systems.
- Developed relational models and ETL processing diagrams.
- Defined rules for HIPAA, hospital compliance, and physician/patient access.

CRISPR Therapeutics, Inc. & Editas Medicine, Inc.

Bioinformatics Consultant 2016 - 2018

- o Integrated sequencing pipelines, analysis tools, and implemented custom web portals.
- o Developed an AWS portal for processing, analyzing, and reporting company-wide NGS data.
- o Ported CoreLIMS to the integrated Electronic Lab Notebook/LIMS cloud platform, Benchling.

Harvard School of Public Health

Bioinformatics Developer, Administrator & Project Manager 2012 – 2016

- o Designed, developed, and implemented a bioinformatics platform for the Crohn’s and Colitis Foundation.
- o Collaborated with US and international Principal Investigators (PI) to create a consolidated database and portal for microbiome analysis, managing over 20 TB of sequencing data.

DoD and Network Providers

Draper Labs, Inc.

Lead Designer & Developer 2004 - 2008

- o Developed a DoD portal for Trident missile configuration, managing 5 million lines of XML/XSD code.
- o Worked on Oracle interface, common access objects, metadata logic, and ensured government compliance.

Cabletron Systems & Alcatel IND

Developer & Team Leader 1994 - 2000

- o I led Asynchronous Transfer Mode (ATM) device management.
- o Managed network policy and accounting infrastructure, including QoS, VLAN, and Access Control.
- o Designed and developed value-added services for network routers, specializing in VoIP and traffic mgmt.

Lockheed-Martin Inc.

Principal Software Engineer 1988 – 1994

- o Various DoD development roles including contributions to projects such as the F-22 Fighter, Air Force One, and the Hubble Space Telescope. *Top Secret Clearance.*

Skills

Leadership & Teamwork	● ● ● ● ●	Agile & Scrum	● ● ● ● ●
Communications	● ● ● ● ●	GCP, Big Data/Query, IAM	● ● ● ● ●
Problem Solving	● ● ● ● ●	Azure, MS Healthcare Cloud	● ● ● ● ○
Critical Thinking	● ● ● ● ●	AWS, S3, Glue, Lambda, IAM	● ● ● ● ○
Project Management	● ● ● ● ●	Programming JS, Java, SQL, PHP	● ● ● ● ●

Education

Boston University School of Medicine

Graduate Certificate in Biotechnology Dec 2016

Boston University

Master of Science in Computer Information Systems 2002

University of New Hampshire

Bachelor of Science in Computer Science 1988

Interests

- o Healthcare \ Medical Hackathons
- o Cancer & Alzheimer’s Fund Raising
- o 5K Challenges
- o Drone Pilot