NARCISO ALBARRACIN, MS

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I am a strategic technologist passionate about improving healthcare consumer experiences where humans and cognitive technologies meet to improve health outcomes.

HUMANS — COGNITIVE TECH

| 1990 | 1999 | 2005 | 2007 | 2010 | 2014 | 2017 |

FinTech · Healthcare · Healthcare 2.0 · Cancer Checklists – Launch · Cancer Staging APIs · Digital Health, Entrepreneurship

EDS Systemhouse   Clearcrossing BLC   CAP   ONTOADAPTIVE

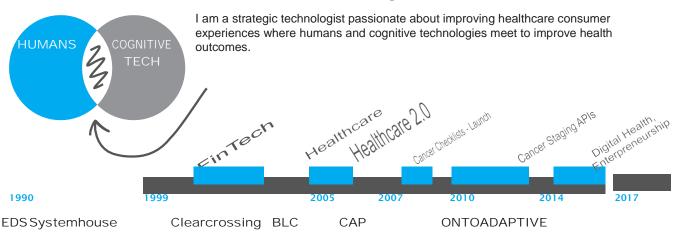## WORK HISTORY - ABRIDGED

ONTOADAPTIVE, LLC | *DIGITAL HEALTH ARCHITECT* Chicago, IL
FOCUS Strategic Innovation. Health Informatics leadership, Product development. Advise clients on how to strategize, think and build new products within U.S. Healthcare aligned with recent value-based care (VBC) and modern digital health platform (DHP) initiatives. *Clients: standards development organizations (SDOs).*
DETAILS *Value-based care (VBC) use cases. Patient-reported outcomes (PROs), APIs, HL7 FHIR, Conversational UI, Cognitive Computing.*
KEY RESULTS As a founder, built client portfolio, supporting team, methods and informatics reference architectures to service clients including medical associations, HIT vendors and Digital Health startups.

COLLEGE OF AMERICAN PATHOLOGISTS | *INFORMATICS ARCHITECT (CONSULTANT)* Northfield, IL
FOCUS Health Informatics leadership, Product development.
DETAILS *Cancer use cases. Structured reporting, HL7 V3/V2, SNOMED CT, LOINC. Clients: standards development organizations (SDOs)*
KEY RESULTS As senior member of *Diagnostic Intelligence and Health Information Technology (DIHIT)* "think tank", led technology delivery for electronic cancer checklists reaching 25% adoption of pathology and cancer reporting market.

BUSINESS LOGIC (BLC) | *ENGINEERING MANAGER* Chicago, IL
FOCUS Technology leadership, Product development.
DETAILS *Financial Services integration, OFX messaging, JEE and .NET, ILOG production rules engine. Clients: Northern Trust, Merrill Lynch, Ibbotson, Financial Engines*
KEY RESULTS As employee (1-25), led multiple projects and platform build out for next generation financial services integration platform (acquired by NextCapital).

CLEARCROSSING | *DIRECTOR OF TECHNOLOGY* Chicago, IL
FOCUS Technology leadership, Product development.
DETAILS *Loan automation and due diligence. Image recognition/OCR, Oracle, .NET, Web UI / AJAX. Clients: Loan origination companies.*
KEY RESULTS As employee (1-10), led product development and platform build for primary loan automation platform (acquired by Scrypt, Inc.).

EDS SYSTEMHOUSE | *SENIOR ARCHITECT* Chicago, IL
FOCUS Project delivery. As consultant, specialized in large system integration and project delivery. *Key technologies:*
DETAILS *Java/JVM and Objective C/C++. Clients: Healthcare Compare, Swiss Bank, AT&T, Motorola*
KEY RESULTS Advanced rapidly through technical roles and responsibilities requiring breadth and depth in project delivery, development, and systems engineering for Fortune 500 clients in Healthcare, Financial Services and Telecommunications.

EDUCATION - ABRIDGED

DePaul University
MS Human Computer Interaction

Purdue University
BS Industrial and Systems Engineering

Continuing Education
Certified Scrum Master (CSM)

Over 20+ MOOC certifications tracking recent and relevant intersections of U.S. Healthcare, Health Informatics, Human-centered design, Cognitive Computing, Artificial Intelligence (AI), Machine Learning (ML), Cloud

LEADERSHIP & COMMUNITY

Entrepreneurship Award | IL SBDC at UIC
Institute for Entrepreneurial Studies (IES)
May 2017
ENTREPRENEURSHIP

Mentor, UIC | College of Business (MBA/IDS Capstone project sponsor), Healthcare track
December 2014 - Present
HEALTHCARE, HIGHER EDUCATION

Mentor, UIC | Startup Challenge, Healthcare track
December 2013 - Present
HEALTHCARE, ENTREPRENEURSHIP

Member, Loyola University | Computer Science Advisory Committee (CSPAC)
September 2015 - Present
HIGHER EDUCATION

INDUSTRY SKILLS & EXPERTISE

Health Informatics | Controlled Terminologies (SNOMED CT, LOINC, RxNorm, ICD), Structured Reporting, Structured Document Capture (SDC)

Health Information Technology (HIT) | EHRs, Patient registries, Patient-reported outcomes (PROs) SMART, HL7 (FHIR, CDA, v3, v2), Redox APIs

INDUSTRY PUBLICATIONS - ABRIDGED

The use of SNOMED CT to support and re-use of Question and Answer Sets for patient registries, Richesson, Albarracin et al., International Journal of Functional Informatics and Personalized Medicine (IJIPM) | May 23, 2011.

PRODUCT SKILLS & EXPERTISE

Strategic Innovation | Entrepreneurship Frameworks (Lean Startup / DE24 / Lean Innovation Management)

Humans & Cognitive Technology | Design Thinking / Human-centered design / Lean & Agile Methods (SCRUM), Microsoft Azure / IBM Watson Cognitive services, DL (Keras, TensorFlow), Production Rules (IBM ILOG, JBoss Drools), Semantic Web (OWL, RDF)

Front-end platforms | Conversational UI / Bots, Mobile Web (SPA, ASP.NET, AngularJS, React)

Back-end platforms | Microsoft (Azure, SQL Server), IBM (IBMCloud, IBM Cloudant), Google GCP, MongoDB, Oracle

Programming Languages | Microsoft (.NET, C#), Open source (JVM, Java / Scala, Python, Javascript, R), Data (SQL)

CERTIFICATIONS - DETAILED

HEALTHCARE

Design in Healthcare: Using Patient Journey Mapping (Goossens – Delft University of Technology) | edX (March 2017, Audit)

HI-FIVE: Health Informatics For Innovation, Value & Enrichment (Administrative/IT Perspective) (Kukafka – Columbia University) | Coursera (July 2017, Audit)

Innovating in Health Care (Herzlinger, Harvard University – Harvard Business School (HBA) | edX (June 2014)

Healthcare Innovation and Entrepreneurship (Lombardi, Barnes – Duke University) | Coursera (May 2013)

Genomic Medicine Gets Personal (Haddad – Georgetown University) | Coursera (August 2014)

Health Informatics on FHIR (Braunstein – Georgia Institute of Technology | Coursera (December 2015)

Healthcare Informatics in the Cloud (Braunstein – Georgia Institute of Technology) | Coursera (April 2013)

Interprofessional Healthcare Informatics (Monsen – University of Minnesota) | Coursera (December 2015)

ENTREPRENEURSHIP, INNOVATION

Design Thinking for Innovation (Liedtka – University of Virginia) | Coursera (November 2016, Audit)

Developing Innovative Ideas for New Companies: The First Step in Entrepreneurship (Green – University of Maryland, Mtech) | Coursera (March 2013)

Entrepreneurship 102: What can you do for your customer? (Aulet, Massachusetts Institute of Technology (MIT) | edX (April 2015, Audit)

Entrepreneurship 101: Who is your customer? (Aulet, Massachusetts Institute of Technology (MIT) | edX (May 2014)

Developing Innovative Ideas for New Companies: The First Step in Entrepreneurship (Green – University of Maryland, Mtech) | Coursera (March 2013)

COGNITIVE COMPUTING, AI, ML, TECHNOLOGY

Deep Learning Specialization (Andrew Ng – Deeplearning.ai) | *Neural Networks and Deep learning, Improving Neural Networks, Structuring ML projects, Convolutional Neural Networks, Sequence Models* | Coursera (December 2017)

Serverless Machine Learning with Tensorflow on Google Cloud Platform (Google) | Coursera (November 2017)

Artificial Intelligence (AI) (Ansaf Salleb-Aouissi – Columbia University) | edX (July 2017, Audit)

Cognitive technologies (Schatsky – Deloitte LLP) | Deloitte University Press, NovoEd (March 2016, Audit)

Data Science Specialization (Leek, Peng, Caffo – John Hopkins, Bloomberg School of Public Health) | *A Crash Course in Data Science, The Data Scientist's Toolbox, R Programming.* | Coursera (April 2016)

A developer's guide to the Internet of Things (IoT) (Innes, Kantos – IBM Watson IoT) | Coursera (March 2017, Audit)

Functional Programming Principles in Scala (Odersky – Ecole Polytechnique Federale de Lausanne (EPFL) | Coursera (November 2012)