

Robert Stewart

@CTO

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Technologist and visionary specializing in building high-tech, high-scale, disruptive technology companies powered by strong engineering teams.

I am driven to solve complex challenges, to improve peoples lives by applying technology and vision to deliver solutions to our most pressing challenges.

I've set the technical and operational vision for every one of my companies. I believe that great companies start with having the best product; great products are built by A++ people and great products attract great customers.

Specialties: Blockchain Technology, Internet of Things (IoT), Artificial Intelligence, Machine Learning, Digital Identity, Biometrics, Digital Forensics, Physical & Cybersecurity, Predictive Analytics, Big Data, Business Intelligence, High-Performance IT Environment Architect, Technology Consulting, Interim CTO/CEO.

Authorized to work in the US for any employer

Work Experience

Chief Technology Officer and Board Member

Alliance for Clinical Research Excellence and Safety

March 2016 to Present

Pro-bono management of ACRES Technology Consortium including \$140MM of technology and education assets its members have pledged to support ACRES system initiatives. Provide leadership for the development and implementation of ACRES shared global system IT infrastructure, including the ACRES Blue Cloud(TM) and the integrated Apollo collaboration platform and secure cloud-based data vaults for enterprise data- sharing and analytics. Facilitate enablement of a new generation of "smart tools" that will revolutionize clinical trials operations, monitoring, quality management, pharmacovigilance and oversight, potentially saving over \$20B annually and cutting time-to-market for new products by more than three years. www.acres.global.net

Chief Operating Officer & Elected Board Member

Sonavation Inc

November 2012 to March 2016

Delivered consumer, industrial and mobile fingertip biometric identification and access control products, solutions and services. Lead departments for Research and Development, Intellectual Property, Electrical, Mechanical, and ASIC Engineering, Information Technology including a NISPOM compliant Data Center,

Counter-Cyber Network Operations Monitoring and Physical Security Center, Full-Stack, Protocol and Embedded Software and ASIC Software Development, ISO 9001:2015 Quality Manufacturing, Class 10000

Clean Room MEMS Facilities, Audit, as well as Program Management, Product Development, Sales and Marketing groups for the world leading ultrasonic sensor company. Drove the ideation and development of sensors capable of providing virtually un-spoof able identification through the collection of subcutaneous biometric data while reading fingerprints even through smart phone Gorilla Glass. At Sonavation I further tied that capability to a guarded RC3 compliant private data center infrastructure containing our FIPS 140-2 Level 3

PKI to provide the worlds first absolute and non reputable transaction verification platform and patented transaction fabric. www.sonavation.com and www.IDkey.com

CTO

Global Security Solutions Group at EMC

October 2009 to November 2012

The Global Security Solutions Group delivered EMC's Physical and Security Solutions, bringing network security, information management and storage, video surveillance, and analysis to enterprise establishments.

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EMC's Physical Security Solutions enabled management, archival, protection, authentication, and scaled security systems and video surveillance information more effectively, increasing capacities to detect, deter, and analyze security events in realtime. <http://www.dell.com/en-us/work/learn/security>

President

Maine Guard, LLC

January 2011 to October 2012

State of Maine Department of Public Safety Bonded & Licensed Contract Security Company [#11/015]. Physical, Cyber, Information, and Public Security, Privacy and Technology Services

Co-Founder

VitalLock

March 2009 to October 2012

VitalLock - The Privacy Company. Social Media Enabled Secure Encrypted Private Messaging & Emergency

Broadcast Alert System - The first Amazon secure-cloud private messaging platform (PKI/API) with a built-in online strong-encryption safe deposit box for securely storing and sharing (or shredding) messages and documents in real-time or in the event of disaster, disability, detention or death.

CEO

ESRIA, Inc

2008 to 2009

ESRIA - Enterprise Scale Rich Internet Applications with offices in San Francisco, San Jose CA, and Cambridge MA.

Brought together expert knowledge of Rich Internet Applications with capabilities for visual design and usability consulting to deliver effective online experiences.

Led the development of enterprise scale rich Internet applications for high-profile media consumer sites including Adobe, Boeing, BT, CBS, CNET, Disney, Facebook, Fidelity, Gomez, Hyundai, Intuit, Kodak,

Consultant at Agent Video Intelligence

NFL

2007 to 2008

Researched and contributed strategic video analytic platform go-to-market plans for the CEO. Facilitated and performed overt and covert strategy validation market reconnaissance at ISC West. All further details are protected under a strict non-disclosure agreement.

Director of Consulting Services

ICST

2006 to 2007

Led professional consulting, custom development engagements, online marketing, and business development activities. Facilitated the establishment of iCST as a United States US General Services Administration GSA scheduled Department of Defense defense contractor and Defense Security Services DSS National Industrial Security Protocol NISP cleared facility. Customers included Dale Carnegie, State of Maine Ethics Commission, Liberty Mutual Insurance and the US Navy's Space and Naval Warfare Systems Command SPAWAR.

Chief Technology Officer

Verified Person, Inc

2005 to 2006

Led all government level deep-background screening and data-centric identity verification technology initiatives for tier-one funded Verified Person, Inc. a leading provider of risk management and fraud protection information solutions chaired by John Sculley the former CEO of Apple Computer and PepsiCo.

* Led the integration of the Taleo staffing WebTop Applicant Tracking System effectively creating two-tier channel currently delivering 60% of 2006 bookings.

Page2 * Created technology platform shelf resulting in systemic efficiencies enabling inorganic venture funded growth capitalized by the valuation creation of service pricing arbitrage evidenced by market share growth.

* Planned and negotiated comprehensive (\$3M) IT outsourcing and Development/SQA off-shoring to a Software Engineering Institute Capabilities Maturity Model Level 5 (SEI-CMM5) Indian partner. Included Build Operate and Transfer (BOT) as well as a predefined Service Level Agreement framework with performance penalties.

Chief Technology Officer

CyberMedica

2000 to 2005

Principal of privately held pre-revenue B2B Internet ASP platform providing SOA web-services to reduce the cycle times for the drug and device discovery industries.

* Identified and executed application systems for payments based, recurring revenue, transaction business targeted at small to mid size organizations.

* Partnered with World Health Organization's Strategic Initiative for Developing Capacity in Ethical Review to grant over 500 licenses worldwide improving human subjects protection in clinical trials.

* Established profitable professional services organization delivering consultative sales pipeline of ensured solution fit.

* Developed ASP suite of drug and device discovery process acceleration software.

* Patented key business processes.

Chief Technology Officer and SVP Engineering Group

CMGI, Inc

1999 to 2000

Led development, operations, service provisioning of private-label, flexible, co-branded consumer content portals MyWay.com and Zip2.com. Performed due diligence and served as an investment advisor and a transition manager of a bi-coastal staff of over 150 professionals for M&A activity including a \$220M acquisition from Bell South and a \$290M acquisition from Compaq. Defined and developed architecture for media object scalability and championed on-the-fly proxy servers for wireless and broadband content delivery including a viral syndication model.

* Achieved both Media Metrix Top 100 site and Top 25 Portal site rankings.

* Accommodated a 1500% service growth to accommodate 750,000 BellSouth.net customers.

* Drove availability to 99.98% by deploying the (then World's Largest) Oracle parallel server (OPS) database and web server farm.

* Established Research and Development operations for next gen scalability.

Chief Technology Officer Internet and Networking Group

Motorola, Inc

1997 to 1999

Named Internet Chief Technology Officer by Motorola ING's Director of Quality Tom Nolette, led Strategy PMO for \$1B consolidated Internet holdings of Motorola Internet and Networking Group during the period when Motorola won the Malcolm Baldrige award.

* Directed Motorola ING's Information Systems Program Management Office with fast-turn phases.

* Lead Total Customer Satisfaction teams improving top-box customer satisfaction scores by over 400%.

* Earned highest possible Information Technology technical ladder ranking of Motorola Strategic Advisor Technical Analyst.

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President

VRmedia Internet Publishing Corporation

1994 to 1997

Founded Maine-based ISP with dedicated T1 hosting. Early pioneer of database-driven media "feed" aggregation portals, interactive private chat room webcam and tourism map-based virtual communities with VRML navigation and displays. Developed and maintained websites for 100+ local and regional businesses.

Netscape Gold Developer Channel partnership led to initial Motorola Webmaster contractor Oxford Global.

Founder, Chairman & CEO

Maine Multimedia

1993 to 1994

Value added reseller of digital video edit suites. Media-100 and Adobe Premiere on Apple VAR based systems.

Developed CableLab's compliant advanced CART switching systems for cable television headend insertion of MPEG1. Invented, breadboarded and coded in assembly systems for encoding and decoding digital data on the vertical blanking interval signal using Motorola microprocessors.

Founder & CEO

Advanced Visual Communications, Inc

1992 to 1993

Value added reseller of digital prepress equipment for Apple and AGFA. Ingram, Meresel and TechData distributor. Adobe authorized training.

Production Director

American Angler

1985 to 1992

Managed all magazine and book production. Pioneered desktop color separation digital prepress technologies.

Developed and maintained subscription marketing and management systems.

Education

Certificate

University of Pennsylvania - The Wharton School

2016

Certificate in Emergency Medical Technician

University of Southern Maine - South Portland, ME

1994 to 1996

Some College in Management Information Systems

University of New England - Biddeford Pool, ME

1982 to 1985

College Prep

Kennebunk High School

1979 to 1983

Skills

- Artificial intelligence (10+ years)
- Biometrics (8 years)
- Business intelligence (10+ years)
- Digital identity (10+ years)
- Forensics (10+ years)
- Blockchain (5 years)
- Agile (10+ years)
- IoT (8 years)
- AI (10+ years)
- ML (10+ years)
- APIs
- AWS
- Azure
- Microsoft SQL Server

- C#
- PowerShell
- SQL
- XML
- Manufacturing
- CGMP
- Root cause analysis
- VMWare
- Project management
- IT project management
- LAN
- Time management
- Software development
- Visual Studio
- Budgeting
- OOP
- Microsoft Excel
- Six Sigma
- Supervising experience
- ISO 9001
- Leadership
- ERP systems
- Mechanical engineering
- Microsoft Word
- Linux
- Java
- User Interface (UI)
- Git
- MySQL
- Jira
- JavaScript
- Business Requirements
- DevOps
- Business Analysis
- SDLC
- Operating Systems
- Scrum
- Data collection
- IT
- Python

- Business management
- HTML5
- PHP
- WordPress
- CSS
- Network support
- Computer networking
- WAN
- TCP/IP

Links

<http://linkedin.com/in/bobstewart>

<http://opensdlc.org>

<https://bobstewart.com>

<https://twitter.com/CTO>

<https://twitter.com/bobstewart>

Certifications and Licenses

Maine State Firefighter II

Present

Assessments

Sales: Influence & Negotiation — Highly Proficient

February 2020

Persuading reluctant customers to buy products or services, and influencing and negotiating with customers to meet sales goals.

Full results: [Highly Proficient](#)

Logic & Critical Thinking — Highly Proficient

January 2020

Using logic to solve problems.

Full results: [Highly Proficient](#)

Indeed Assessments provides skills tests that are not indicative of a license or certification, or continued development in any professional field.

Publications

Open Systems Development Life Cycle

<http://OpenSDLC.org>

February 2002

SaaS OpenSDLC provides a consistent peer-reviewed framework for the planning, definition, design, implementation, testing and operational deployment of hardware, software and management systems supporting enterprise class technology products, services, programs and projects. Our SDLC is a Rational Unified Process (RUP) integrated, Capabilities Maturity Model Integrated (CMMI) International Standards Organization (ISO) quality, Systems Development Life Cycle (SDLC) for Platform as a Service (PaaS) Service Oriented Architecture (SOA) Software as a Service (SaaS) on Infrastructure as a Service (IaaS) systems.

Additional Information

Faith-filled patriotic husband, father to nine, loyal friend and mentor to many.