Chris Zura

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Technologist with Vision for Business Strategy. Leader Empowering Teams to Deliver Innovation.

Chief Technology Architect and Business Analyst with extensive hands-on expertise engineering global software and hardware solutions for enterprise Cloud, Mobile and IoT applications. Patent Author and Product Manager with proven track record providing the vision for strategic business planning and creative product design. Certified Scrum Master (CSM), Agile Coach and Project Manager passionate about empowering teams to deliver innovation.

Professional Skills

- Technology Architect
- Certified Scrum Master (CSM)
- Mobile Application Developer
- Business Analyst
- Product/Project Manager

- Cloud/Data Analytics Architect
- Systems Integrator
- Embedded Systems Engineer
- Patent/Technical Writer
- Audio/Video/Multimedia Producer

Technologies

- Visual Studio, VSTS, JIRA
- .NET and Open Source Frameworks
- C#, C, VB, VB.NET, VBA, JavaScript, Python
- ASP.NET MVC, HTML, CSS, Bootstrap
- WCF, Web API 2.0, SOAP, REST
- SQL Server, Azure Cloud Services
- Xamarin Studio, .Forms, .iOS, .Android
- Apple Xcode, Objective C, iOS, OSX

- Windows Mobile, Embedded
- Microsoft Platform Builder
- UNIX, LINUX, Embedded LINUX
- Rabbit Dynamic C and Rabbit Web
- Microcontroller (ARM, Rabbit, PIC, 8501)
- IoT, Raspberry Pi, Arduino, Propeller
- Reason, Logic Pro, ProTools, Final Cut Pro
- Audio & Video Production Tools

Experience and Accomplishments

Advanced Public Safety, Inc. (APS), Deerfield Beach, FL   2013–2016
Leader in e-citation and e-crash solutions supporting 900+ Law Enforcement agencies nationwide
Engineering Manager, Solution Delivery and R&D

- Performed both Product Manager and Project Manager roles, leading department of three separate engineering teams providing Solution Delivery and Professional Services for $10M projected annual revenue.
- Executed departmental budgeting, planning, hiring, resource management and risk mitigation as well as coordinated the teams providing technical services to internal PMO and call center Support teams to achieve company revenue recognition objectives.
- Improved customer response time and reduced support labor costs across the company by automating software distribution of product upgrades in Command Center, a mission critical customer support web portal supporting over 7,000 mobile devices in the field.
- Formed new R&D team to support mission critical project to architect and prototype high-speed data pipeline for geospatial (GIS) applications using SQL Server and Azure Services in the Government Cloud, enabling the company to meet complex customer requirements and comply with CJIS regulatory initiatives for installations on-premises, in the cloud, or in hybrid environments.

Security Identification Systems Corporation (SISCO), West Palm Beach, FL   2005-2013
Leader in Security and Life Safety systems for Cruise, Healthcare, Education and Law Enforcement
Chief Technology Architect & Business Development Manager   2010-2013

- Managed the portfolio of intellectual property for the company while increasing sales through new product development and the expansion of Professional Services.

- Landed contract with Universal Studios to design and develop their new Express Pass™ Kiosk installed at all hotels on premise. Delivered project on-time, on budget, in seven weeks.
- As Product Manager, ensured customer satisfaction by conducting product research, planning and resource allocation for the entire Software Development Life Cycle (SDLC) including risk assessment and mitigation for both software and hardware systems for two separate product lines.
- As Project Manager, worked directly with high profile customers to coordinate and manage cross-functional teams comprised of both external and internal stakeholders to meet tight delivery and deployment schedules.

Director of Research & Development   2006-2010
- Authored patent (US Pat. Appl. 12/387856) for a new mobile product for high speed accountability of passengers and crew aboard a cruise ship as part of the Security & Life Safety systems adopted by the Cruise Line Industry as the de facto standard on over 125 cruise ships today.
- Overhauled engineering department by hiring new staff and leading the strategic migration from a legacy object-oriented development environment (Delphi) to the Microsoft .NET technology stack.
- Increased team productivity by establishing new departmental programming standards and policies while leading the adoption of Agile (Scrum) framework within the company.

Emerging Technologies Coordinator   2005-2006
- As Lead Product Architect, devised the strategic planning that led to the development of the company's next generation mobile products while supporting integration with legacy products.
- Certified deliverables met product specifications, quality control, and design goals by negotiating and coordinating strategic partners, contract manufacturers, suppliers and offshore outsourcing.

Z Tech Systems, LLC, Juno Beach, FL   2004-2005
Consultancy specializing in integration services, product prototyping, and application development
Contract Engineer, Medical Devices
- Engineered and built the working prototype of a new medical device to aid in the treatment of muscle pathology while promoting the movement of lymphatic tissue and other circulatory fluids that can lead to the prevention of venous stasis ulcers (bed sores) and improve venous return.
- Designed computer simulation that was later applied as the basis of the patent (US Pat. Appl. 11/441739) focusing on the control system featuring an interactive user interface and microelectronics for operating an array of pressure inducing elements.

Additech, Inc., Houston, TX   2000-2004
Startup delivering gasoline additives on-demand at the gas pump
Manager Research & Development   2003-2004
Director of Technology   2001-2003
Technology Consultant   2000-2001
- Managed and motivated team of six software and hardware engineers across multiple disciplines to move the company's flagship product from prototype to manufacturing in under one year.
- Authored patent (US Pat. Appl. 10/036656) covering technology called the "Inceptor™" that simplifies integration with virtually all fuel-based Point-Of-Sale (POS) systems, reducing system integration time from one year to one month.
- Coordinated and negotiated with suppliers and contract manufacturers to ensure product quality while helping drive the product cost down 30%, saving over $2M in the first year of equipment costs.

Education and Certifications
- Certificate Small Business Management, Study in Computer Technology & Accounting Manchester Community College, Manchester, CT
- Certified Scrum Master (CSM)
- Certified Scrum/Agile Coach (CSC)

Addendum

Patent Work

- US Pat. Appl. 12/387856 (May 7, 2009) - Method and System for the Mobile Tracking and Accounting of Individuals in a Closed Community
- US Pat. Appl. 11/441739 (May 27, 2006) - Method and Apparatus for Controlling Massage Using Pressure Inducing Elements
- US Pat. Appl. 10/036656 (Dec. 21, 2001) - Method and Apparatus for Fuel and Fuel Additive Dispensing