

# York Prado

## Solutions Architect

Innovative technical lead focused on developing scalable web/mobile solutions from idea inception, to pilot, to full scale production. Experience involves full stack development specializing in emerging technologies such as IoT, 3D printing, cognitive computing, natural language processing, augmented/virtual reality, and web analytics visualizations.

## EXPERIENCE


### **Deloitte Consulting LLP, San Francisco, CA** September 2012 to Present **Specialist Master – Solutions Architect, IoT Practice (Mar 2016-Present)**


Developed, architected, and managed web/mobile Internet of Things(IoT) solutions in the local government, telecom, consumer product goods, medtech, and airline industries. These projects involved managing \$6-30 million projects using Agile/Scrum methodologies.

- **Software Development Lead**
  - Developed and led backend service creation based on complex customer business logic and requirements.
  - Developed integration services to manage data flow between systems.
  - Led code reviews to analyze, refactor, and optimize team code.
- **Software Engineering Management**
  - Managed and delivered projects with teams of 5-30 on shore and off shore developers, UI/UX designers, and business analysts.
  - Resolved team technical blockers both internally and externally working with developers and client IT/network/security teams.
  - Managed client stakeholder relationships and presented deliverables, project timelines and solutions to client Directors, VPs, and CXOs.
  - Managed and presented team delivery timelines to internal stakeholders and upper management to share team status and resolve team blockers.
  - Led several release deployments across 3/4 deployment environments with planning, troubleshooting, and scaling solutions appropriately.
  - Analyzed client service usage data to steer development of product and ensure best use of development time.
- **Architecture Development and Technical Delivery**
  - Created several system/application/technical architecture deliverables for customer solutions across various industries.
  - Delivered agile functional and non-functional requirements documentation based around customer use cases and capabilities.
  - Presented roadmap and technology infrastructure to customers, demonstrating deep familiarity with APIs, platform infrastructure, security, and integration capabilities of selected technologies.
  - Facilitated workshops and brainstorming sessions among solution partners and clients to agree on product vision and architecture.
- **Practice Development and Growth**
  - Co-led creation and growth of Deloitte Digital IoT practice from a team of 12 to a team of 50+ within 3 years.
  - Developed POCs and demoed at client site and conferences to grow customer interest and pipeline, leading to ~\$35 million in sales.
  - Developed, trained, evaluated and researched on several IoT platforms for potential partnerships and go to market decisions.
  - Led technical RFP responses and helped develop architecture responses from customer requirements.
- **Peer Development and Internal Initiatives**
  - Started and led Architecture Review Board(ARB) to grow solution architecture knowledge among junior developers and standardize vital architecture deliverables for reuse across projects.
  - Led ATS BTA/C forum to grow junior reports by providing a forum to discuss issues and solutions on current projects and build a trusted team community.
  - Mentored and grew junior developers in development best practices, documentation, presentation, and career goal setting.

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## Languages

..... HTML5/CSS3  
..... JavaScript  
..... SQL  
..... Python  
..... Shell Scripting  
..... Cypher  
..... Java

## Databases

..... MSSQL  
..... MongoDB  
..... PostgreSQL  
..... Neo4j  
..... MySQL

## Back End Applications

..... Node.js

## Development Platforms

..... PTC Thingworx  
..... GE Predix  
..... AWS IoT  
..... Google Cloud  
..... Azure IoT  
..... N.IO

## Cognitive Platform

..... IBM Watson  
..... Cognitive Scale

## Web Service Technologies

..... RESTful APIs  
..... JSON  
..... XML  
..... MQTT  
..... Pub/Sub  
..... Web Sockets

**Senior Application Developer, Digital Innovation Lab (Nov 2014 – Mar 2016)**

Architected, developed, and managed proof of concepts in emerging technologies for Deloitte teams in 3D printing, augmented/virtual reality, indoor positioning, IoT, and cognitive computing. Demoted these solutions around the world at conferences and internal Deloitte stakeholders.

**Consultant, Analytics Visualization Studio (Sept 2012 – Nov 2014)**

Developed data analytics visualizations for multiple industries and clients as part of an interdisciplinary design team. These proof of concepts provided clients with a unique view in how to visualize, explore, and analyze their disparate data sets.

- **Front End Development:** Developed web applications including building interactive infographics, geospatial, network, and BI dashboard visualizations.
- **Back End Development:** Captured, cleaned, and connected disparate datasets using NoSQL databases and REST APIs as a middle layer on node.js.
- **Requirements Gathering:** Captured user stories and requirements using Agile/Scrum methodologies and Persona Driven Development.
- **Research and Development:** Incorporated new libraries/databases/applications (NoSQL databases, JavaScript libraries), unlocking novel project insights.
- **Data Science:** Leveraged natural language processing techniques to develop analytics visualizations, including sentiment analyzers and topic models.

**DRC \ Kadix Systems, Arlington, VA**

July 2010 to September 2012

**Associate Consultant**

Associate consultant for government clients. Also worked with an Enterprise Architecture team to create a database inventory for their assets.

- **Front End Development:** Developed a web application on an Oracle Apex environment used for storing vital enterprise system information. Used HTML/JavaScript/CSS to design the front end.
- **Back End Development:** Worked as an admin on the Oracle database backend. Worked with SQL and PL/SQL for new backend feature creation.
- **Requirements Gathering:** Developed in an Agile/Scrum team and successfully deployed through several releases and sprints. Created workflow diagrams, user stories, and SOPs for documentation.

**Dynfed LLC, Bethesda, MD**

April 2010 to July 2010

**Technical Consultant**

Client facing technical consultant and data analyst that developed SQL reports and customized Microsoft CRM web forms using JavaScript and Ajax.

## EDUCATION

**B.S. Computer Science & Computer Engineering**

December 2009

*Christopher Newport University*

Major GPA 3.85/3.95

Newport News, Virginia

Cumulative GPA 3.79

## VOLUNTEER EXPERIENCE

**Oakland Promise, Mentor**

Jan 2019 to Present

Volunteering as a mentor to a college-bound underrepresented student throughout their college career to help build a relationship that supports them and their college goals.

**Latinos in Tech Giving Circle, Member**

Oct 2019 to Present

Part of the largest network of Latino philanthropists in the country, Latinos in Tech Giving Circle aims to invest our pooled funds into Latino-led nonprofits.