

Jarred Cornwell

Enterprise Architect/IT
Management/CIO

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Professional Summary

An enterprise architect and IT leader with 13+ years of experience, with a strong technical and functional knowledge of enterprise systems, and architecture that can build systems as well as run organizations and teams. Aiming to provide vision to business leaders, while designing enterprise-level systems, simplifying complex integrations, and passionately seeking to push the boundaries of IT and computer science, while providing business areas with the tools they need to be successful. Proven track record of evaluating, implementing, and governing software, with extensive experience driving overall enterprise architecture, strategy, principles, and standards across multiple business domains, including digital transformation.

Core Qualifications

- Enterprise/Solutions Architecture
- Team Building
- Leadership
- Communication
- Project Estimation
- System Design
- Problem Solving
- Management
- Business Systems
- Insurance Systems
- Project Scope
- Integration Design and Development
- Training
- System Development
- IT Vision
- Enterprise Maturity

Experience

CTO/Enterprise Architect (2019 – Current)

IT Room Solutions (New York, NY)

Accomplishments

- Worked as the common enterprise architect across Chubb's DCSquare practice, designing enterprise solutions, creating standards, reviewing designs, working with blueprints, evaluating systems and PoCs, while working with multiple teams across the world to mature the policy administration ecosystem.
- Designed and managed an enterprise requirement management system on top of micro-services utilizing Docker, AKS, and Cosmos.
- Designed and managed an enterprise forms management system that empowered the business users to modify print in real-time.
- Designed and managed a product called PolicySync, which seeks to change how integrations are managed to and from Insurance Carriers and MGAs
- Strategized, designed, and deployed a digital product to expose PAS systems to digital partners
- Create IT Vision, execute contracts, resource plans, project estimation, and ran IT organization.
- Manage a staff of over 15 people (Devs/BAs/PMs/QA), find and manage contracts with insurers large and small & defense contractors large and small.
- Ran a PoC and created a recommendation for the replacement of Duck Creek rating utilizing Radar Live
- Designed and managed an enterprise-wide landing page
- Cataloged and built roadmaps for common integrations, UI, and business logic enterprise-wide

Sr. Engineer/Enterprise Architect (2017 – 2019)
Distinguished Programs (New York, NY)

Accomplishments

- Worked as the enterprise/systems architect across Distinguished's enterprise, designing enterprise solutions, creating standards, reviewing designs, evaluating systems and PoCs, while working with multiple teams across the world to mature the entire enterprise. Create IT vision, while converting vision into deliverable pieces of the enterprise.
- Designed and managed a micro-service architecture that serviced the Policy Administration System's interactions with Workday, ODS, Salesforce, AIM, reconciliation, and claims system. system utilizing an event-driven architecture using Rabbit MQ and an inhouse API manager.
- Designed and managed a generic product/LOB system in Duck Creek to stand-up new products/lobs in a matter of days.
- Designed and managed a reconciliation process to find and fix decades worth of improper rating modifications using deltas, change management discovery, and production policy management.
- Created an architectural review board and the architecture team, including governance, road-maps, maturity models, principles, and capability assessments.
- Executed a PoC to the selection and delivery for multiple Rules engines, whereupon findings and results were presented to executive team members and negotiated contract to delivery for the selected rules engine.
- Manage a staff of over 10 software engineers, along with a satellite office.
- Provide IT guidance to newly acquired companies and integrate them into the overall enterprise and ecosystems.
- Develop for, and provide maintenance to the Policy Administration System, Duck Creek, while ensuring the expected outcomes for the rating algorithms and statistical models for each line of business.
- Innovate, and provide guidance on new technologies and overall vision for the future of the enterprise.
- Plan for and upgrade the existing systems.
- Designed and built a distributed search algorithm that improved performance company-wide that searched over the entire book of business in sub-second time.
- Created a CI/CD pipeline to move code while executing unit tests.

Systems Architect (2015 – 2017)
Utica National (New Hartford, NY)

Accomplishments

- Worked as the systems architect across Utica's enterprise, designing enterprise solutions, creating standards, reviewing designs, evaluating systems and PoCs, while working with multiple teams across the world to mature the entire enterprise. Create IT vision, while converting vision into deliverable pieces of the enterprise.
- Designed and managed a micro-service architecture that updated the entire enterprise including all of the different business domains. This included canonical message models, CRM, UI/UX, road-maps from legacy systems to the future enterprise. This included training teams, digital transformation, working with numerous consulting firms and larger corporations, and presenting my designs to the entire IT organization of a billion-dollar company and a world-renowned Enterprise Architect.
- Extracted and found systems throughout the enterprise to consolidate and save millions, including road mapping the path forward.

- Took over a development team during a crisis to fix a roll-out of a new billing system and delivered, managed, and executed fixes to make sure that customer service, integrations and UI/UX was up to company standards.
- Managed relationships with companies like Tibco, etc.
- Managed resource allocation, projects, and overall IT direction along with best practices and training of the IT organization.
- Present to executive team members and provide guidance on projects overall.
- Created a hackathon to help innovate on complex ideas.

Software Engineer (2014 – 2015)

Distinguished Programs (New York, NY)

Accomplishments

- Develop for, and provide maintenance to the Policy Administration System, Duck Creek, while ensuring the expected outcomes for the rating algorithms and statistical models for each line of business.
- Designed and managed an effort to build a document management system that integrated with a PAS and CRM system, and that extracted TIFFs from a legacy document management system while generating PDF and compressing pictures from within the PDF with Lossy Compression.
- Designed and managed an effort to extract rating from a PAS system utilizing a service layer to build out rating using Excel raters, which allowed business users to modify rating over IT.
- Upgrade the existing Policy Administration Systems.
- Designed and managed an effort to build a search algorithm that searched over the entire book of business.

Delivery Lead/Sr. Applications Dev (2008 – 2014)

Utica National (New Hartford, NY)

Accomplishments

- Develop for, and provide maintenance to the Policy Administration System, Duck Creek, while ensuring the expected outcomes for the rating algorithms and statistical models for each line of business.
- Managed an effort to design and build integrations from an agency management system that integrated with a PAS from ACORD based XML to our custom system that won an award.
- Designed and managed an effort to build a search algorithm utilizing an inverse frequency combined with a cosine similarity that learned phrases over time, by creating vectors out of terms with a set of classification documents and user input to understand what classification each term referenced
- Upgraded Duck Creek multiple time from 2.x all the way up to 5.x
- Developed standards, Code Review processes, Unit Testing standards, and SDLC processes, while teaching Programmers OOD and managed multiple projects, while building systems across multiple technology tiers.
- Designed and built systems to generate print for CPP, and managed and designed a system for CRN's to be generated automatically.
- Designed and built integrations into the Exstream print engine, which including using AIS, integrating with the Mainframe and other systems.
- Built out the entire user experience for the PAS system
- Designed and managed batch jobs
- Designed and created a policy off-load system to remove and archive older policies
- Designed and created a clearance process

- Designed and created integrations into location services
- Fixed performance problems that improved system performance 1000 fold
- Managed an effort to bring dynaTrace into the ecosystem and ultimately ran the performance team.
- Taught classes to developers on my lunch over the course of years, especially for developers that were learning OOD/OOP and moving from the mainframe.
- Designed and built a code review platform
- Designed and built an automated test suite.

Education

BS Computer Science - 2008

SUNY IT, Marcy, NY

AS Computer Science - 2006

HCCC, Herkimer, NY

Graduate Classes – 2017

SUNY IT, Marcy, NY

- Discrete Math
- Introduction to Systems Theory
- Algorithms & Advanced Discrete Math

Certifications

Sitecore Certified Professional Developer – Sitecore XP 8.0

Training

Duck Creek, Sitecore, Tibco and dynaTrace

Skills

Project Management

AGILE, Requirements Gathering, Requirements Interpretation, Budgeting, Planning, Estimation, Cost Management, ROI, Allocation, Extreme, Gantt, Project Planning, Charters, SCRUM, Accounting, Waterfall

Documentation

Business Requirement Documentation, Scope Documentation, Bug Documentation, Code Documentation High-Level Design Documentation, Low-Level Design Documentation, Detailed Design Documentation, Scope Documents, Implementation Plans, Resource Plans

Software Engineering

UML and Diagramming, Modelling, OOD, Entity Design and Data Design, Programming Patterns, Enterprise Patterns, Presentation Creation and Execution, Conceptual, Logical and Physical Decomposition, Anit-Patterns, Use-Case creation and Interpretation, Software Architecture, Software Principles, SOLID Design, Web Development, Integration Design, Version Control, Formal Methods, QA, SDLC, Distributed Computing, Road-maps, Containers, Cloud, CI/CD, Data Modelling, Enterprise Architecture, Technical Architecture, Algorithm Design, Searching, Sorting, Business Architecture

Languages

C#, C++, C, Java, HTML, XML, XSLT, SQL, JavaScript, UNIX Shell Scripts, ASP, VB, UML, Ruby, XSD, Schema's, ASP.net, jQuery, Bootstrap, EXTJS, JSON, XPATH, Angular, React

Tools

TIBCO Business Works, Fusion Middleware, Duck Creek Author, Visual Studio, dynaTrace, MS Office, Eclipse, Net Beans, SQL Management Studio, IBM Rational, Serena Dimensions, Serena Team Track, IBM Rational, Smart Draw, Visio, GCC, VI, VIM, PICO, SQL Plus, SQL Developer, Visio, TFS, SharePoint, Log4net, SharePoint designer, Salesforce, Dynamics CRM, jDeveloper

Testing

NUnit, WATIN, TAC, Auto Tester, Selenium

Operating Systems

Windows 95 to current, UNIX, Linux

Middleware

Tibco ESB, OSB, ESG, MQ Series, MSMQ, JMS, FTP, SFTP, Rabbit MQ

Web Services

WSDL, WADL, REST, WCF, SOAP, Tibco, Canonical Models, SOAPUI, Microservices

Debuggers

MDBG, WinDbg, dynaTrace, IE Developer Tools, Chrome Developer Toolbar, Firebug, Duck Creek Trace Monitor, Duck Creek Debugger, Debugger – my design.

Web

IIS, Apache, HTML5, JQuery, EXTJS, ASP.Net, MVC, Bootstrap, JSON, CSS, ReactJs, Angular

Data

ETL, SQL Management Studio, SQL Server, Oracle, SQL Developer, MDM, Cosmos DB, Graph DBs, NoSQL datastores, Costpoint

Cloud

Azure, AWS