

PLATFORM ARCHITECT, HEALTHCARE INCUBATION LAB (HIL)

Summary

A driven technology professional with software architecture and development background and a passion for Agile methodologies. I enjoy designing and developing platforms consisting of web applications and services that help businesses innovate and stay competitive.

Accomplishments

- Over 8 years of experience architecting and developing data-intensive web-based applications and services with expert level proficiency in middle tier and Service Oriented Architecture (SOA) and functional proficiency in data and presentation tiers
- Experienced with designing and developing horizontally scalable, secure and reliable multi-tenant web applications delivered in a SaaS model
- Proven success in working with dynamic startups as well as medium to large organizations
- Adept at navigating technical and non-technical challenges through use of excellent communication skills, creativity and practical knowledge
- Experience collaborating on cross-functional agile teams that include Product Development, Product Owners, Quality Assurance and DevOps
- Proven record of collaborating with internal and external (e.g. customers, vendors, partners and regulatory entities) team members

Experience

01/2015 to Current

Platform Architect, Healthcare Incubation Lab (HIL) Company Name - City , State

Premera Blue Cross is a not-for-profit healthcare insurance provider in the state of Washington, USA.

The Healthcare Incubation Lab is an internal startup backed and funded by Premera Blue Cross. As a Center of Excellence (CoE), HIL is tasked with exploring and developing new opportunities at the intersection of Healthcare, Insurance & Technology. It is a very small team using LEAN and agile practices to focus on the businesses major pain points.

My role on the team is that of a hands-on Platform/ Solution / Application Architect where I regularly explore and evaluate new technologies, design solutions and develop proof of concepts (POCs).

- Led and collaborated with enterprise solution delivery teams in all phases – from ideation to iterative delivery
- Collaborated in design and development of an API platform enabling delivery teams to rapidly exchange data with external EMRs (Electronic Medical Records) as well as internal line of business applications
- Provided guidance on current technology landscape and advised management on purchasing third party products and engaging external vendors
- Architected, integrated and managed Okta IDaaS (Identity and Access Management as a Service) enabling all web applications and web services to follow consistent patterns for integrating with external and internal identity providers, allowing teams to rapidly build and deploy line of business apps
- Performed security code reviews and web application security testing such as penetration testing to identify and remedy possible exploits and vulnerabilities thus strengthening the organization's security posture
- Integrated open source and commercial security penetration tools such as Burp Suite and OWASP's ZAP (Zed Attack Proxy) in the continuous integration and delivery pipeline to automatically and systematically test all successful deployments for common web exploits

04/2014 to 01/2015

Solution Architect, Enterprise Architecture & IT Strategy Company Name - City , State

The Enterprise Architecture and IT Strategy team at Premera designs the systems and solutions built and used at Premera Blue Cross and all of its subsidiaries. My role on the team was of a Project Architect, which is essentially a hands-on solution architect.

- Collaborated in the design and development of a telephony and analytics solution built using a complex orchestration of web services to target customers for specialized care management, which allowed Premera to reduce healthcare costs while significantly improving healthcare outcomes
- As an internal technology consultant specializing in Service Oriented Architecture (SOA), helped various teams adopt current software engineering industry standards and practices resulting in higher code reuse and reduced delivery times
- Participated in a core workgroup tasked with developing templates for high level and detailed design documents that are used by the Architecture team as well as individual delivery teams to follow a consistent standard within all of Premera
- Worked closely with program managers, project managers, solution architects, enterprise architects and management to define milestones and ensure the high level and low level plans are aligned throughout the entirety of the project, which improved project success rate
- Assisted various delivery teams with adopting Agile Scrum & Kanban practices to improve customer satisfaction and reduce delivery time

01/2013 to 04/2014

Application Architect, Research & Development Company Name - City , State

PriceMetrix is a SaaS startup based in the financial district of Toronto, Ontario, Canada. PriceMetrix processes vast amounts of transaction-level data and provides business intelligence solutions to retail brokerages, commercial and investment banks in US & Canada.

The Research & Development team at PriceMetrix designed and developed BI analytics SaaS applications that are used by financial advisors throughout North America on a daily basis. As the Application Architect, I was responsible for designing and developing a unified SaaS platform for hosting all of the web applications and services.

- Led development of a new flagship SaaS platform to deliver business intelligence analytics to large North American financial institutions, which resulted in about 30% annual revenue increase for the organization
- Developed a highly available, mission critical web application with high quality user experience that is used by about 35,000 financial advisors on a daily basis and resulted in about 30% annual revenue increase for the firm
- Designed and implemented SSO (Single-Sign-On) functionality for PriceMetrix web applications platform, using SAML 2.0 (Security Assertion Markup Language) protocol and tokens, Microsoft ADFS 2.0 (Active Directory Federation Services), WIF (Windows Identity Foundation) and STS (Secure Token Services) to support multitude of clients with disparate authentication systems
- Conducted daily standups with technology and business teams of large retail wealth-management brokerages to customize and integrate PriceMetrix analytics applications within their proprietary order management systems and dashboards

04/2010 to 01/2013

Software Developer, Research & Development Company Name - City , State

- Developed data services for core platform to replace stored procedures and functions, which enabled the customer facing web applications and services to orchestrate complex functionality without rewriting business logic reducing solution development times by 100% (an average of 4 months vs 8 months prior)
- Built custom solutions to interface existing legacy systems with new applications to provide a seamless and rich experience for the clients while minimizing pains of using legacy systems
- Ported a data warehouse and various data marts into database projects, enabling the development team to fully automate deployment of databases and use source control to manage database schema, reducing build and deployment times by 85%

09/2009 to 04/2010

Enterprise Application Developer, Information Systems Company Name - City , State

OACCAC is a not-for-profit shared technology services organization that supports Ontario's Community Care Access Centres (CCACs) located in Toronto, Ontario, Canada.

- Created and delivered high quality software while in IT services group, which resulted in a promotion to Enterprise Applications Group within 1st year of joining the company
- Developed complex AJAX web-parts, user & custom controls for large healthcare applications: CHRIS (Client Health Related Information System) & HPG (Health Partner Gateway)
- Helped setup and deploy CruiseControl (a continuous integration/deployment tool) to reduce build and deploy times by 70%

09/2008 to 09/2009

Software Developer, IT Services Company Name - City , State

- Developed and improved applications used by the IT Services team by working closely with network and server specialists.
- Assisted with design and development of OACCAC's public website (www.ccac-ont.ca), websites for 14 client CCACs, and a complex content management system for non-technical users.
- Developed and improved applications used by the IT Services team by working closely with network and server specialists Assisted with design and development of OACCAC's public website (www.ccac-ont.ca), websites for 14 client CCACs, and a complex content management system for non-technical users Integrated Operations Configuration Management Database (CMDB) with Windows Management Instrumentation (WMI) to poll critical performance indicators from servers; whenever a certain indicator reached the predetermined threshold, an automated alert was generated and sent to Infrastructure operations teams via email and instant messaging, allowing them to pre-empt system failures and outages

Education

Jun. 2009

Bachelor of Engineering : Systems & Computer Engineering (B.Eng), Honours Program University of Guelph - City , State , Canada

Information Technology Infrastructure Library (ITIL) v3 Training Jan. 2010 The Open Group

Architecture Framework - TOGAF 9 Level 1 Training Oct. 2014

Skills

.NET, ASP.NET, Active Directory, Agile, AJAX, API, Architect, automate, BI, business intelligence, Cascading Style Sheets, excellent communication, ca, Computer Engineering, Configuration Management, consultant, content management, creativity, CSS, Client, clients, customer satisfaction, data warehouse, databases, Database, delivery, designing, Eclipse, Electronic Medical Records, email, financial, focus, Forms, functional, Gateway, HTML, IIS, Information Systems, Information Technology, Insurance, IT Strategy, ITIL, Java, Javascript, Linux, logic, Mac, messaging, Access, C