

Yusuke Morita

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Seasoned software engineer with 20+ years of professional experience building scalable software with effective architecture and a critical eye for user-friendly UI/UX design. Proven track record of leading, designing, building, delivering, and maintaining software products.

SKILLS

- Leading engineering teams, agile project management, stellar communication
- Standards-based desktop and mobile web application development
- High performance data-rich interaction design and data visualizations
- Dynamic user interfaces and graphics design
- Enterprise scale software architecture
- Obligatory buzzword list:
 - Semantic/Responsive Design, HTML5, CSS3, SASS, LESS, JavaScript
 - React, React Native, Node.js, Express.js, Bootstrap, Semantic UI, jQuery
 - Service Worker, Application Cache
 - IndexedDB, WebSQL, MongoDB, SQL Server, PostgreSQL
 - Java, C#, VB.NET, ASP.NET, Hibernate, Salesforce Platform
 - Selenium, Jest, Jasmine, Jenkins
 - Heroku, Amazon Web Services S3
 - Adobe Photoshop/Illustrator, Affinity Designer, Sketch

EXPERIENCE

LiquidFrameworks Staff Engineer

Houston, TX
November 2013 - Present

LiquidFrameworks creates cloud-based solutions for mobile field operations in the oil & gas, industrial, and environmental sectors. I currently lead an agile team of a dozen software and QA engineers. I have designed, architected, built, and delivered several products while providing mentorship, code reviews and scoping requirements for regular 2 week sprints and release cycles. I am a key contributor and architect of our flagship cloud product and several line-of-business products. The primary technologies used include React, React Native, Redux, Node.js, MongoDB, PostgreSQL, and the Salesforce Platform.

- [FX E-Ticketing](#)
 - Lead engineer on our primary cloud product that captures 90% recurring revenue
 - Completed implementation of IndexedDB shim API for iOS that allowed our thousands of customers to operate our web application entirely offline, avoiding costly wireless infrastructure requirements typically needed in the field for a cloud solution
 - Designed mobile-friendly UI framework and components for custom pickers and grids
- FX Logs
 - Discovered a need and independently developed a product that provides a comprehensive view of product health and performance. Originally started as a personal analytics and debugging tool but evolved into a customer-facing product.

- Eliminated hour long analyses of logs by engineers to minutes spent by support team and customers to diagnose issues at a glance
- Architected high-performance data-dense visualization capable of displaying hundreds of thousands of records on-screen with seamless real-time updates
- Admin Portal
 - Spearheaded server infrastructure, project templates, and shared libraries to scale our team's ability to build out a comprehensive suite of administrative tools
 - Implemented a design system to maintain consistent UI across projects
 - Built infrastructure for testing and deployment of multiple in-progress applications
- [FX Trucking](#)
 - Lead engineer for purpose-fit application for a new trucking line of business
 - Coordinated React Native companion app and focused the architecture on maintainability and UI consistency to serve as a template for future apps
- FX Shift Scheduler
 - Lead engineer of crew shift scheduler with drag-and-drop interactions and on-the-fly compliance checking for complex industry regulations
 - Designed time slicing and pivoting to provide at-a-glance resource views that help dispatchers quickly maximize crew utilization
- [FX Schedule and Dispatch](#)
 - Lead engineer of field resource scheduler with user-configurable dashboards and layouts to adapt to any customer workflow
 - Initial development of proof-of-concept quickly gained traction to become a new product
 - Architected the data-dense user interface for scheduling and mapping resources
 - Effective use of drag-and-drop interactions to create a highly dynamic and intuitive UI

Datacert

Houston, TX

Datacert, later acquired by Wolters Kluwer, is a market-leading legal spend and matter management, contract lifecycle management and analytics solutions company. My contributions to the flagship Passport application platform spans early prototyping, architecture, UI/UX design, and eventually mobile device support. The platform continues to grow and succeed as the foundation for multiple applications and integrations serving the legal industry. The primary technologies used include Java, Spring, Hibernate, SQL Server, and jQuery.

R&D Principal Engineer

January 2013 - November 2013

- Expanded flagship SaaS product into a full mobile application platform by designing responsive UI and CSS layouts that adapt to various mobile devices
- Spearheaded and built a department-wide build monitoring tool with web technologies and push notifications that is still used to this day

Associate Principal Engineer

January 2010 - December 2012

- Designed and developed award-winning UI/UX for [Passport](#) application platform that allowed the company to expand into new market segments by building new products using a shared infrastructure

- Architected a packaging system to support dynamic MVC models for management and deployment of new product lines that run on the Passport platform

Senior Software Engineer**August 2007 - December 2009**

- Prototyped the precursor to the Passport application platform using Boo, ActiveRecord, NHibernate, and ExtJS
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Aegis Mortgage Corporation
Enterprise Architect**Houston, TX**
November 2006 - August 2007

I joined Aegis as an engineering manager where I migrated and redesigned the corporate site into a custom ASP.NET application. I was then promoted to the Enterprise Architect role where I trained the engineering team on Team Foundation Server. I built a custom UI control library bundled in a Visual Studio Installer to enable drag-and-drop development of various forms used in the mortgage industry. I also built a custom ORM using SQL schema introspection and CodeDOM to generate domain objects in C# before Entity Framework existed.

Texas Tech University Health Sciences Center
Project Manager**Lubbock, TX**
May 2004 - November 2006

A university IT department has unique challenges supporting both internal and external users with a wide range of technical proficiency. I was hired as a junior developer but was quickly promoted to lead engineer and eventually project manager. My largest contribution here was managing the migration and redesign of the university site. The project was so successful the project expanded to include the neighboring Texas Tech University and eventually the entire Texas Tech System. Additional contributions involved building various content management and analytics systems. The primary technologies used were changing rapidly but mostly included HTML, CSS, XML, XSLT, ASP.NET and SQL Server.

The term AJAX was first coined during this time while Internet Explorer 4 was the best browser available on the Mac. Cross browser testing was quite a challenge and still remains so in different ways.

Ridgeway Systems & Software
Webmaster & Graphics Designer**Austin, TX**
2000 - 2003

Ridgeway was a pioneering startup in web based video conferencing solutions at a time when broadband internet was uncommon. I was hired as a college student building rack mounted server hardware and debugging networks for voice and video over IP. I quickly learned ASP.NET when it was introduced and started building various internal tools such as purchase order tracking, sales reports, and price quote generators. I also used my graphics design skills to build marketing collateral, trade show booths, product packaging, and custom-tailored demos for the sales team.