Kyo Suayan

1787 S. Norfolk St., San Mateo, CA 94403 • (650) 483-3324 • webwork@suayan.com • https://node.suayan.com

Summary

Web Application Developer experience spanning various technology generations, stacks and platforms. Strong **visual design sense** complemented with knowledge in **Accessibility**, **Usability, Security, Performance** and **Branding** concerns in a high traffic website.

Career Objective

Seeking opportunities where I can continue to build world-class user experiences by applying sensible UI design delivered through emergent web technology.

Professional Experience

Principal Software Engineer, Stanford Health Care, Palo Alto, California
October 2017 to date

- Spearheaded foundational work on adoption of Adobe Core Components, integrating Stanford School of Medicine (SOM) and Stanford Health Care (SHC) codebases, upgrading to AEM 6.5.12 platform on JDK11;
- Seamlessly migrated Search API middleware from Adobe Search & Promote to Coveo Search backend;
- Implemented Clinical Trials Search https://clinicaltrials.stanford.edu with ReactJS/Redux, Adobe SPA Editor SDK, and Java middleware
- Lead team (Dev, QA and DevOps) in implementing our first AWS API Gateway with OAuth2credentials provisioning and access control for internal customers;
- Converted School of Medicine's Profiles directory https://med.stanford.edu/profiles from standalone J2EE application to AEM 6.5 codebase with new OSGi services, updated data models and front end UI;
- Implemented Guided Search https://stanfordhealthcare.org/directory/directory.html a first reference implementation of Adobe's SPA Editor framework with NodeJS, ReactJS and ES6;
- Designed and Implemented POC of AEM Content Fragments, with Metadata Schema and Assets Search for the Health Education, Engagement and Promotions group;
- Implemented Content Fragment ingestion using NodeJS and a Java servlet for Patient Instructions documents;
- Implemented POC for in hospital Digital Signage solution with AEM Screens;
- Conducted screening, interviews, onboarding and mentoring of Front End, Back End, DevOps and QA engineers, Business Analysts, Project Managers;
- Conducted knowledge transfer of AEM, Adobe Target, NextJS, Google Tag Manager, and LivePerson implementations;
- Lead internal codebase upgrades for AEM version 6.1 to 6.2, 6.3, 6.4 and 6.5.

Senior Software Engineer - Front End, Stanford Health Care, Palo Alto, California
August 2013 to October 2017

- Designed and implemented authoring system components for StanfordHealthCare.org and its various microsites under Adobe Experience Manager (AEM6.1);
- designed AEM Templates, Components, Workflows, OSGi Services, REST servlets, and custom object oriented JavaScript libraries;
- migrated SHC from AEM 5.6 to AEM 6.1;
- conducted iterative web performance analysis and enhancements for both browser side and server side runtime code;
- administered and provided user support for LivePerson text chat, Google Tag Manager, Adobe Marketing suite (DTM, Analytics, Adobe Target);
- collaborated on design and architectural issues with product managers, architects, designers, engineers, and infrastructure teams to build and deliver robust front end solutions that showcase the hospital's brand;
- developed UX critical functionality for the hospital's next generation healthcare informatics platform running on SpringMVC, MongoDB and EPIC MyChart (full stack).

Software Engineer, Electronic Arts/Maxis, Redwood Shores, California
April 2011 to August 2013

- Implemented in game user interface for SimCity 2013 relaunch (JS/HTML5/CSS3);
- developed experience critical components: Region Map, Global Market charts (SVG), My Games panel, Create A Game wizard, Advertisement Client;
- implemented server side controllers for Admin Console (SpringMVC);
- developed SpringMVC/J2EE controllers and front end components for The Sims;

- evaluated and proposed Web Content Management System for the division which was eventually adopted as target corporate platform;
- conducted security retrofitting for a legacy PHP website.

Vice President - Application Programming, Bank of America, San Francisco, California

January 2006 to March 2011

- Developed UI for Online Banking, Mortgage and Insurance using XHTML, CSS and jQuery;
- conducted code reviews for maintenance releases in ColdFusion and J2EE;
- troubleshot and resolved production issues in a team-based environment;
- integrated vendor technologies for search, text chat, metrics and SEO;
- developed device independent markup for Mobile Banking in J2EE;
- designed security components for credit bureau interface;
- Technical Delivery Lead for Search Engine Upgrade, Small Business eRecommend, Philanthropic Management, Mobile Banking;
- provided technical consultation to business partners on Flash and Rich Media Content.

Senior Business Analyst, Bank of America, San Francisco, California

December 2001 to January 2006

- Subject matter expert on Home Page architecture as traffic grew from 1.5M to 21M users;
- SME for Higher Standards branding, global navigation, site wide assets (CSS, JS, XML, XSL, Flash);
- lead a small development team for Associate Banking Redesign project;
- developed deployment strategy for Coremetrics Pilot on top revenue areas of BankofAmerica.com;
- developed front end components for Online Check Verification Application (CF and JS);
- provided key knowledge transfer to third party vendors on look and feel, accessibility and user experience standards;
- lead the redesign and development of key hub pages (Help, Sitemap, Sign In, and Contact Us);
- established weekly process for analyzing and reporting of availability metrics;
- authored Web Accessibility Guidelines for Flash based content;
- developed ADA compliant prototypes and CSS stylesheets for Online Banking with PHP;
- Certified Six Sigma Greenbelt with DFSS.

Web Engineer, Yipes Communications Inc., San Francisco, California

July 2001 to November 2001

- Developed Customized Service Availability information web application for the ISP's 20 markets nationwide (CF4.5, Oracle 8i);
- maintained Contract Management, Bandwidth On Demand and Trouble Ticket applications (CF 4.5, Oracle 8i);
- developed Perl data conversion and loader scripts for various databases.

Web Developer, Silicon Graphics, Inc., Mountain View, California

February 1999 to June 2001

- Developed site navigation API for Supportfolio (online support website) spanning 80,000 pages;
- redesigned Installation Plan Manager using PHP and MySQL;
- developed front-end scripts for Online Customer Registration using Perl;
- maintained internal applications and fixed bugs for e-Request Tool, Customer Feedback, and WebQueue;
- developed scripts for web based surveys: Pipeline Newsletter, Supportfolio Connect, and Customer Satisfaction;
- maintained global mirroring tool (US, Europe and Japan)

Perl Developer, The Gale Group, Foster City, California

February 1998 to November 1998

- Developed Perl/XML based Data Acquisition framework for major newswire services including PRnewswire, BusinessWire, and Knight Ridder Tribune/Business News;
- developed a secure HTTP/FTP based upload system (IIS4/NT, Perl and CGI.pm);
- administered Windows NT servers for product development;
- Installed, configured, and troubleshot servers running IIS4.0, ColdFusion 3.1, Perl and Java database backends.

Systems Engineer, International Consulting Resources Group, Foster City, California

October 1998

- Designed and developed ICRG's corporate website with online consultant search and resume submittal using ColdFusion, IIS4 and Windows NT;
- ported site codebase to ASP.

Webmaster/Administrator, EpicNet, Manila, Philippines

January 1996 to January 1998

- Implemented web applications such as search engines, forums, and online databases using Perl/CGI, Java, JavaScript, mSQL, Access and dbWeb ODBC Gateway;
- generated usage and web server performance reports using Perl;
- designed corporate websites using Adobe Photoshop, Macromedia Freehand, MetaCreation and Corel graphics suites;
- administered ISP's Digital UNIX web servers running NCSA and Apache HTTPd;
- administered and developed Lotus Notes v4.5 groupware applications on WindowsNT.

Technical Consultant, APEC Summit Secretariat/Philippine Dept. of Labor & Employment, Manila, Philippines

October 1996 to November 1996

- Developed a Labor Market Information Database for the 1996 APEC Summit on Slackware Linux v2.0 and Apache HTTPd;
- developed CGI scripts on Perl v5.0 to generate content for all member countries;
- generated dynamic charts using Java applets.

Graphic Designer, Louis Berger International, Inc./USAID, Manila, Philippines

June 1994 to October 1995

- Designed, visualized, and implemented communication and training materials for Market Development and Policy Advocacy Teams of the ASAP project;
- designed slide presentations, video productions, news advertisements and walkthrough exhibits;
- upgraded and maintained image processing and desktop publishing systems;
- established Internet access for the Berger Group.

Education

Bachelor of Science in Computer Science, University of the Philippines at Los Baños, 1994

Secondary Education, Philippine Science High School, Agham Road, Diliman, Quezon City, 1986-1990

References

Available upon request.

Technical Skills

Programming Languages
JavaScript/ECMAScript, Java/J2EE, SQL, C/C++, XML/XSLT/XPath

FrontEnd Toolkits
HTML/CSS, RaphaelJS, ReactJS, Bootstrap, LessCSS, SASS, jQuery, Google Closure, ExpressJS, Handlebars

Development Environments & Runtimes
Adobe Experience Manager, NextJS, Visual Studio Code, Jetbrains WebStorm, Aptana IDE, Eclipse IDE, NodeJS

Dev Tools
Apache Maven, NPM/Yarn, BabelJS, Grunt, Google Lighthouse, Apache JMeter, Webkit Inspector, SmartGit, Perforce, git, svn

Backend & HTTP Servers
Apache HTTPd, Apache Tomcat, Mortbay Jetty, Openfire XMPP Server, IBM WebSphere, ColdFusion Application Server, Netscape Enterprise Server, Microsoft IIS

Data Persistence
MongoDB, ElasticSearch, InfluxDB, MySQL, Oracle

Web Applications & Frameworks
Apache Sling, ExpressJS, SpringFramework, SpringMVC, Apache Struts

Graphics Production Tools
Affinity Designer/Publisher, Adobe Creative Suite, Adobe Lightroom CC/Classic, Autodesk 3DS Max, Bryce 3D

Media Production Tools
Reason Studio 11, Apple Logic Pro, Ableton Live, Native Instruments Maschine, Apple Final Cut Pro

Operating Systems
macOS, Linux (AWS Linux, RedHat, Ubuntu, Slackware), Windows, Synology DSM, SGI IRIX, Sun Solaris, Digital Unix