Greg Sandell

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About Me

I have over ten years experience providing web technology expertise to major corporations and enterprises for the building of web applications of high quality and reliability. Recent accomplishments include providing clients with solutions using Javascript/Node.js/React Front End Development, Selenium-based Automated UI Testing, Salesforce eCommerce, load testing, SQL database design, asynchronous/multi-threaded processing, and integrating third party software.

I excel at team code development, project lifecycle, cross-functional teamwork, identifying business needs and using collaboration tools. A long career in technology encompassing such areas as Java, Maven, Eclipse, Tomcat, C, Struts, and even laserdisc mutlimedia apps, gives me the benefit of diverse wisdom, a passion for learning, and an ability to learn quickly.

I have applied technology and software development across a diverse and eclectic backround including music graduate school, scientific research in human hearing, and Digital Signal Processing. I am also an accomplished classical pianist, electric bass player, and composer.

Experience

OCT 2017 – PRESENT

Crocs Inc. — *Senior Front End Developer*

- Develop and maintain custom Front End interfaces for the QA team to launch batches of automated UI tests againt the company eCommerce site and view results. Stack includes: Node.js, React, Redux, Sqlite, WebSockets, REST-based services, InternJs and Leadfoot.
- Develop and deploy eCommerce functionality, including integrating tools from PayPal, SVS Giftcards, Adyen, CardConnect, Signal, Kount tools, Adobe Audience Manager analytics, and Salesforce Business Manager.
- Develop reusable tools for UI automation and load testing; solve latency, asynchrony, and race condition issues; write CSS queries that work reliably across IE, Chrome, Firefox, Android and iOS navigators.
- Provide Automated UI Test coverage for the eCommerce site including all phases of the purchase lifecycle, shopping cart interaction, product returns, payment processing, user profile and fraud detection.
- Expand company technology knowledge by giving presentations to cross-functional teams on React and recent developments in Javascript and Node.js.

AUG 2017 – NOV 2017

UC Irvine / Trilogy Ed — *Part Time Course Instructor*

- Instructor for "Fullstack Developer" bootcamp, teaching HTML, CSS, Git, Bootstrap, Javascript, jQuery, Ajax, Firebase, Node.js

APR 2016 – JUNE 2017

Ten-X, Irvine, CA - *Sr. Software Engineer*

- Developed presentation layer and application logic for hosted web application *auction.com*, a Real Estate

auction transaction platform

- Responsible for features Search & Discovery, Event Details, Calendar, User prefs and personalization, and Home page written in AngularJS 1.4, React/Redux, ES6, ArcGIS, and Python
- Wrote QA Automation tests using Selenium and Nightwatch (demo: http://bit.ly/2wUjFcS)
- Design and troubleshooting of REST and JSON-based backend, services, Omniture tracking to and LaunchDarkly feature flags

OCT 2015 - MAR 2016

John Deere, remote *- Front End Developer Consultant*

- Developed AngularJS controllers, views, directives and services for hosted web application 'Sales Center', a 'build-a-Deere' tool for sales reps
- Wrote test coverage in Mocha, Sinon and Chai
- Collaborated with Back End team on design and troubleshooting of REST/JSON-based services

NOV 2014 - AUG 2015

CyberCoders, Irvine, CA *- Front End Java Developer*

- Developer for hosted web application 'Compass', a CRM platform for Recruiters.
- Created UI widgets and application logic for workflow tools in Sencha ExtJS 4.0.7 Javascript
- Wrote backend Ajax/JSON components, test coverage in Jasmine, stress testing with jMeter

NOV 2013 - JUNE 2014

Sears Holding Corporation, Chicago, IL *- Developer*

- Member of Core Mobile team supporting mobile version of sears.com E-Commerce site
- Wrote AngularJS controllers, views, and services, UIs in HTML5/CSS3 from Photoshop PSDs, REST web services in coordination.
- Launched mobile version of new fatures *Shop Your Way* (loyalty card) and *Shop Your Way Max* (Sears version of Amazon Prime).

AUG 2012 - AUG 2013

Pathfinder Software, Chicago, IL *- Senior Software Engineer*

- Wrote mobile apps (iPhone, iPad) for medical clients Kimberly-Clark, Haemonetics, and Amer. Assn. of Critical Care Nurses in hybrid web/iOS AngularJS and jQuery Mobile, Trigger.io, TestFlight, and Rails/Heroku
- Lead developer on iPhone app that was deployed in Apple AppStore (*AACN Bedside*)
- Lead developer for web-based census and demographic data-mining tool (*MetroPulse Chicago*: demo: http://bit.ly/2wU5Yun)
- Lead developer on an iPad 'concierge' app to connect heart patients, their nurses and caregivers (*ContinuCare)* and a blood drive simulation sales tool for the iPad (*Automated Whole Blood Collector)*

APR 2010 - AUG 2012

Truven Health Analytics, Chicago, IL *- Senior Software Engineer*

- Developed hosted web applications *CareDiscovery* and *IntegrationDiscovery*, Business Intelligence and data mining tools for a 4 TB Oracle OLAP Data Warehouse of Hospital Billing data
- Created servlet- and portal-based J2EE web applications for IBM Websphere Portal 5, Tomcat 6 & Glassfish in Java 1.4 & 6 Servlets, JSP, jQuery Javascript, PL/SQL stored procedures

OCT 2008 - MAR 2010

iCrossing, Chicago, IL *- Senior Software Engineer*

- Front End Developer for hosted web application *Merchantize*, an Ad Technology tool for managing clients' Paid Search campaigns, keyword purchases and cost-per-click advertising with major search and shopping engines (Google, Yahoo, MSN, NexTag, PriceGrabber)
- Consumed streaming XML-based product feeds for clients Sears, The Gap, Hilton, Lands End, LEGO, and Williams Sonoma with cron-based processes written in Perl, Bash, SMTP & Java.
- Wrote PDF reports in Apache POI Java, cleaned product feeds and resolved Mysql data integrity issues

FEB 2008 - OCT 2008

Chicago Tribune, Chicago, IL *- Senior Internet Applications Developer*

- Developed web software and content management behind all of Tribune Corp's newspaper, radio and television websites, including Chicago Tribune, LA Times, Red Eye.
- Developed code in Java 1.5 on J2EE platform including Oracle Application Server 10g, Oracle DB 10g, FAST search server, Sun Webserver (iPlanet) and TopLink 9.0 for web services.
- Created scheduled jobs for sweeping expired database content and JMeter test plans to simulate heavy load on high-profile chicagotribune.com website.

Education

Northwestern University, Evanston, IL *– PhD Music Theory*

Cross-disciplinary curriculum including music theory, auditory perception, computer science and music synthesizer research. Dissertation: http://bit.ly/2wUbFZq

Eastman School of Music, Rochester, NY *– MA Music Theory*

Analysis techniques on classical and 20th Century music. Formal computer programming studies. Thesis on Edgard Varèse.

California State University, Los Angeles, CA *– BM Piano Performance*

Performed Junior and Senior recitals, placed in competitions, and performed Beethoven concerto with orchestra.

Certifications

March 2005: Sun Certified Web Component Developer for J2EE 1.4 (SCWCD)

Apr 2004: Sun Certified Programmer for the Java 2 Platform 1.4 (SCJP)

References

Available on request.