

Greg Sandell

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About Me

I provide client Web Application solutions of high quality and reliability using Javascript/Node.js/React Front End Development, Selenium-based Automated UI Testing, Salesforce Commerce Cloud eCommerce, load testing, SQL database design, asynchronous/multi-threaded processing, secure authentication, messaging, and integrating third party software. I have worked for enterprise clients in retail eCommerce, Real Estate, Executive Search, Healthcare, AdTech, Publishing, Finance, Defense, and Travel. I am also an accomplished classical pianist, electric bass player, and composer.

Experience

OCT 2017 – MAY 2020

Crocs Inc. — *SDET (Software Development Engineer in Test)*

- Javascript/web programmer in Node.js, React and Salesforce Commerce Cloud (a.k.a. SFCC/DemandWare) for company eCommerce site with \$1.2 bil in 2019 sales
- Integrate SFCC with third party eCommerce services: PayPal, Givex giftcards, Adyen, CardConnect, Signal Tag Manager, Kount Fraud Manager, Olapic, Narvar, and Adobe Audience Manager analytics
- Support crocs.com sites in 8 different languages, 14 countries/locales, 7 payment processors
- Develop custom multi-tiered web applications including SQL, REST services, Ajax, token based authentication, pub/sub messaging, Bash shell scripts, AWS, and BrowserStack cloud components. Stack includes: Node.js, React/Redux, Express, Sqlite, WebSockets, Bootstrap, Material-UI.
- Develop reusable tools for UI automation and load testing; solve latency, asynchrony, and race condition issues; write CSS queries that work reliably across major mobile and desktop web browsers 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. Tech stack: internJS, leadfoot, eureQa, BrowserStack cloud
- Provide training & mentoring to junior developers on Javascript, Node.js and SFCC; give presentations to to developers and cross-functional teams on React and Automated UI Testing.
- Work with new fulfillment/distribution centers coming online by creating bulk test orders in the SAP Supply chain

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 features *Shop Your Way* (loyalty card) and *Shop Your Way Max* (Sears version of Amazon Prime).

AUG 2012 - AUG 2013

Pathfinder Software (now orthogonal.io), **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: <https://bit.ly/3bGS1k4>.

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.