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Technical Skills

Strong: JavaScript, Java, Python, HTML5, CSS3, Node, Express, Angular, React, jQuery, Mocha, MongoDB, MySQL, PostgreSQL, Redis, GitHub, Docker

Experienced: PHP, Bash, OCaml, C, XML, Backbone, Redux, React-Native, Grunt, Gulp, Webpack, Hibernate, JMS, Ant LDAP, CircleCI, AWS

Recent Projects

Sonder (*React-Native Geolocation Application*) - sondersf.com

- Architected pub/sub websocket server utilizing Redis for data persistence, enabling users to subscribe and receive geolocation updates from friends.
- Architected Restful API server for storing and retrieving historical user location data utilizing Postgres.
- Built client Redux Sagas to publish user location and consume friend locations via websockets.

NewsGate (*Chrome extension for flagging fake news websites*)

- Architected Node + Express server to chain external API services as independent middleware.
- Developed Node daemon to update blacklist datastore with latest list of known fake news URL's compiled from several independently maintained sources.
- Implemented URL-expanding middleware to find fake news hidden in shortened URL's
- Built Chrome-Extension views to display fake news warning when fake news was identified.

Professional Experience

Director of Strategic Advancement - Jews for Jesus, San Francisco, CA 2013 - 2016

- Developed recruitment and fundraising tools for use across organization. (*javascript, c#, php*)
- Advised Executive Director, CIO, and CAO on strategy, new technology, and policy.
- Led team of 10 staff and managed \$500,000 annual budget for the department.

Software Engineer, Founder - Code Coalition, San Francisco, CA 2008 - 2012

- Developed and maintained chatbots for movie and product promotion. (*java, xml, hibernate*)
- Developed medical imaging client for analysis of MRI images. (*ocaml, java*)
- Developed IOS app for schools to send notifications to parents of students. (*javascript, json, telerik*)
- Developed and maintained sales prospecting app to search large whois dataset for leads. (*python*)

Software Engineer - Jet Propulsion Laboratory, Pasadena, CA 2007

- Developed telemetry accountability visualization application for Mars Phoenix Lander. (*javascript, jquery, json, dojotoolkit, jsp*)
- Presented lecture on benefits of using Javascript to create dynamic user interfaces in the browser.
- Developed "Test Automation Toolkit" as a sandbox for testing telemetry data scheduled to be sent to the Curiosity Mars rover. (*python, java, ant*)
- Programmed features, unit tests, and bug fixes on the Curiosity Ground Data System. (*java, jms, ant*)

Programmer - 21st Century Insurance, Woodland Hills, CA 2006

- Developed application to monitor status of all services running on IBM Websphere. (*javascript, jsp*)
- Unified and streamlined build and deployment process for department. (*ant, java*)

Education

Hack Reactor - San Francisco, CA | **Advanced Software Engineering Immersive Program**, 2016
California State University, Northridge - Northridge, CA | **BS in Computer Science**, 2006