Andrew Choung

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Summary:

Experienced in building highly scalable customer focused RESTful web applications and creating modular UI components and features driven by performance using the latest web technologies in Redux, React, ES6/JS, HTML5, and Java.

Professional Experience:

Senior Software Engineer at BAE Systems, Geospatial eXploitation Products (4/2017 - Present)

- Designed and developed Redux/React features and components for the InMotion FMV product.
- Led and developed with the SOM initiative team through the architecture, design, and development of the SOM Network Graph product. (React, D3.js, Java, Apache Camel)
- Designed and developed new React/ES6 components from third-party open-source JS/jQuery libraries (leaflet, D3.js, timeslider, etc) and existing GXP YUI 3/JS modules.
- Architected and integrated ESLint linting rules and assisted in automated Jest tests to enforce best coding practices and consistent code coverage for all web client initiatives.
- Mentored interns and new college-hire software developers culturally and technically with weekly 1:1s, UI/UX design meet-ups, code reviews, and technical support.

Software Engineer 2 at BAE Systems, Geospatial eXploitation Products (8/2012 - 4/2017)

- Lead developer for the GXP Map Layer Manager. Map Layer Manager provides users a way to request and manage map layers from different web services on the fly without having to restart the Tomcat/Node.js web server. (React, react-ui-tree, YUI 3, jQuery)
- Debugged performance bottlenecks in all automated build platforms and optimized Webpack plugins and configurations to improve web-client build production time by over 400%. This also helped reduced web client development mode build times from minutes to a few seconds.
- Designed and developed the GXP Status Manager feature in YUI 3 that aggregates and manages successful, pending, and failed user operations within the GXP Platform web space. (Java, Apache Camel, PostgreSQL)
- Developed RESTful endpoints in CRUD design for persisting and retrieving user preferences and settings when a user has logged in or out from the GXP Platform web application. (Java, Apache Camel, PostgreSQL)

Software Engineer at BAE Systems, Activity-Based Intelligence Initiative (6/2011 - 8/2012)

- Developed custom jqPlot heatmaps, line graphs, bar graphs, and 2d/3d scatter plots components in jQuery for modeling multi-int metadata.
- Developed RESTful endpoints using Java and Spring Integration to aggregate cataloged data from multi-int data sources and live data via Apache ActiveMQ JMS.

Software Developer Intern at Union Bank, ECommerce Retail Core Systems (6/2010 - 12/2010)

- Designed and developed a real-time standalone heuristic web application that monitors and alerts the product support team of any unresponsive deployed product and demo environments.
- Developed an error recovery web feature that provides users with resolution options based on the cause of the alert.

Education:

Bachelor of Science, Computer Science - University of California, San Diego *(2007-2011)*