

Sathish Paul Leo

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Summary

- Software Engineer with 10+ years of experience building Web applications using JavaScript, CSS, HTML, Java, Spring, Hibernate and MySQL.
- Passionate about building rich User Interfaces using modern Front-End tools and libraries.
- Experience working with geographically distributed teams to coordinate efforts in order to deliver quality products.
- Familiar with Test driven development and Agile methodologies of Software Development.

Education

M.S in Computer Science, State University of New York at Stony Brook, New York.

Bachelor of Engineering, Computer Science, University of Madras, Chennai, India.

Skills

Programming languages: JavaScript, Java.

Web Technologies: Java Servlets, JSP, HTML, CSS, jQuery, AngularJS, React/Flux, and Dojo framework. Server frameworks: Spring, Hibernate, and Struts.

Tools: Perforce, Git, Grunt, Maven, Ant, Eclipse, VS Code and Webstorm.

Experience

Staff Software Engineer, Oracle Corporation September 2015 - present

[JavaScript, KnockoutJS, jQuery, Flexbox, Grid]

- One of the founding UI engineers for the Data Integration Cloud product.
- Design, and implement common UI patterns and structures that help in feature development.
- Advocate for code clarity, simplicity in design and maintainability.

Principal Software Engineer, Informatica Corporation May 2013 – Aug 2015

Cloud Mapping Designer [Java, JavaScript, jQuery, JavaScript MVC, JSF, CSS]

- Involved in design and delivery of a Canvas-based drag-and-drop Cloud Mapping Designer that represented flow of data through different Informatica Transformations.
- The graph of transformations consisted of a Canvas-based UI, backed by JSON models that were directly serialized at the server side. Java Server Faces was used as the messaging layer to communicate between different web applications housing the models.
- Worked closely with the in-house platform team to understand and effectively utilize the model lifecycle mechanism mandated by the Symphony platform.
- Employed front-end best practices to represent complex Data Integration features using easy-to-use User Interface elements. Event delegation and jQuery-based “data” attributes were heavily used to manage UI state in the various property sections.
- Utilized various browser APIs including window.postMessage to provide inter-frame communication and message passing necessary for various interactions.

- Designed and developed various JavaScript widgets that were required for the Mapping functionality.

Connectivity to SOAP based Web Services [Java, JavaScript, jQuery, Fancytree]

- Designed and implemented the UI to represent hierarchical data structures in Informatica Cloud- specifically objects exposed by SOAP-based Web services.
- Provided well-defined abstractions to enable users to re-use Service definitions across different mappings.
- Used a third-party JavaScript library called Fancytree to support loading large sets of JSON data.
- Implemented a variety of critical features such as drag-and-drop, searchable trees, filter drop downs to enhance field mapping capabilities for Web Service transformations.
- Collaborated with geographically distributed teams to ensure the appropriate owners addressed gaps in functionality.
- Mentored other members of the team to ensure product quality and efficient delivery despite tight deadlines.

Senior Software Engineer, Informatica Corporation May 2011 – April 2013

JSON driven UI [Java, JavaScript, jQuery, MySQL]

- Defined JSON-based metadata to represent the various attributes for each Connection type in Informatica Cloud.
- Refactored the UI code to support rendering the connection attributes for a variety of Connection types such as Flat files, Salesforce, MySQL, SQLServer etc. This resulted in a much easier to understand and maintainable code- base.
- Significantly improved load time for the UI that surfaced the Connection functionality.

Custom Views and Search functionality in List pages [Java, Servlets, JSP, JavaScript, MySQL]

- Designed and implemented the ability for users to customize the various List pages in Informatica Cloud and save their customization preferences as Custom Views.
- Enabled the ability to sort and search based on key attributes in the list pages.
- Used the JDBC Prepared Statement API to construct SQL queries to efficiently fetch and filter data for the list pages.
- Implemented a mechanism to specify default views for individual pages based on the available list of Custom Views.

Software Engineer, Informatica Corporation November 2008 – April 2011

- Implemented the ability for System Users (Administrators and Sales team) to Search for customer Org information in Informatica Cloud. This feature significantly improved the productivity of the team in servicing customers and improving sales.
- Led various development efforts to improve User Interface components by incorporating modern frameworks and best practices.