Srinath A

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JAVA FULL STACK DEVELOPER

SUMMARY

- **7+ years** of professional experience as a **FULL STACK DEVELOPER** with experienced in implementing and developing complex applications. Involved in Software Development Life Cycle **(SDLC)** which embraces Design, Development, Implementation and Testing of **enterprise business** applications using **Java.**

- Strong background in **Java/J2EE** environments. Worked extensively on **J2EE** for developing Web Application by using **JDBC, Servlet, Spring 4.x, Spring Boot, hibernate 5.x, JPA, XML Parsing** and **SOAP & REST** full web services.

- Good knowledge and implemented on providing authentication and authorization for web services using **OIDC and Spring security.**

- Expertise in implementing **Web Services, Microservices, AWS, Docker** for the synchronous and asynchronous connection between two applications running in different servers.

- Fluid understanding and experience in multiple programming languages, including **Core Java, HTML, XML, JavaScript, XSLT and AJAX**.

- Having expertise knowledge and experience on Java 8 features like Functional Interfaces **Multithreading, Collection API, Exceptional Handling, Time API and Stream API.**

- Experience in using Enable Caching which has multiple implementation such as **EhCache 2.x, Redis** and **Couchbase**.

- Worked on customized front end application development using **jQuery, React JS, Handlebar JS** and implemented React **JS** using **Redux** library and **Flux** pattern.

- Proficient in using **Spring (transaction support modules and JPA), Spring JDBC (for transferring data to database).**

- Proficient in implementing frameworks such as **Struts, Spring MVC and AJAX** frameworks. Excellent experience using ORM tools like **Hibernate** and **Ibatis**.

- **SOAP** (**JAX-WS, Apache CXF, WSDL, Apache Axis2**) and automated the documentation using **Swagger** and **WSDL.**

- Have expertise using   frameworks to connect asynchronous environment with **Mongoose Connector and Cassandra Node Driver.**

- Strong Knowledge on automated Java-Based integration testing and behavioral testing of the application using Selenium (connects you to your browser), **Unit testing, Junit4, TestNg,** (organized the tests) **Mockito**, (power mock for mock) and for rest testing mockmvc and fluent API, mockers service server for spring rest template testing.

- Good understanding of global level processes about **Microservices** architecture and **SOA**. Good knowledge on application of **Spring Cloud-Netflix** OSS for microservices deployment and configuration of **Hystrix, Zuul** a gateway for routing with **Eureka** for routing stability.

- Extensive experience in developing scalable, reliable, efficient web and enterprise applications using **JSP, Servlets, Struts, JSF (Prime Faces).**

- Proficiency in working with Relational databases like **Oracle, MySQL, PostgreSQL, and NoSQL** databases like **Redis, MongoDB, Cassandra** to manage tables, views, indexes, sequences, stored procedures, functions, triggers, and packages.

- Automated the deployment process by integrating code repository using build pipeline **Jenkins, Bamboo** and **GoCD** for Continuous Integration and Continuous Deployment that can run on the cloud or on-premises.

- ♦ Expertise in team handling and/or mentoring, pair programming and test-driven development (**TDD**), Used **JUnit, Mockito, JMockit, Wiremock**.
- ♦ Good experience in software configuration management using **SVN, GitHub, GitLab, Bitbucket**.
- ♦ Deployed the Zero **Down Deployment** using **Kubernetes orchestration service application**.
- ♦ Good Knowledge in **Amazon Web Services (Amazon EC2, Amazon S3, Amazon Simple DB, Amazon Elastic Load Balancing, Amazon SQS, Amazon EBS and Amazon Cloud Front).**
- ♦ Worked on different server such as **Apache Tomcat, WebLogic and Jboss** for configuring and deployment of the application.
- ♦ Used **Docker Container** to address every application across the **hybrid cloud and Docke**r for better collaboration and innovation.
- ♦ Responsible for migrating existing modules in **IBM MQ** to **Apache Kafka** and worked on creating **Kafka adaptors** for decoupling the application dependency.
- ♦ Implemented a metrics collection mechanism for the server by utilizing **Apache Kafka** to **stream server-side events**.

SKILLS

Programming Languages	Java, C, C++, PL/SQL, JavaScript, python
Web Technologies	HTML5,CSS3,AJAX,JSON,Bootstrap,jQuery,Angular 12.0 React JS with Flux, Redux, Ember JS, Knockout JS, Back Bone JS, Handlebar JS, NodeJS, Express JS, Hapi JS
J2EE Technologies & frameworks	Servlets, EJB, JSP, JSF, JDBC, SOAP, WSDL, REST, XML, JAXP, JAXB, JPA, JMS, Spring3.x/4.x/5.x, Hibernate, Spring MVC, Spring Boot, Spring Data, Spring Batch, Spring cloud, Dump Analysis.
Databases	Oracle 8i/9i/10g/11i, DB2, SQL Server 2000/2005/2008, MYSQL, MongoDB, Raven DB, Cassandra
Application/Web Servers	Oracle Web logic, IBM Web Sphere, JBoss, Glassfish, Apache Tomcat
Messaging Services	JMS, Active MQ, Rabbit MQ, IBM MQ, Apache Kafka
Webservice Frameworks	JAX-RS, JAX-WS, Axis, Jersey
Software Methodologies	Agile, Scrum, TDD, Waterfall
Build & Configuration Tools	Ant, Maven, Gradle, Jenkins, Bamboo Gulp, Grunt, Webpack, NPM, Bower
Testing Tools	Junit, TestNG, Mockito, Jasmine, Karma, Mocha, Chai, Spock, Protractor
Version Control Tools	GIT, SVN, CVS, Bitbucket, TFS

Project Management Tools	JIRA, Rally, Microsoft Project
Cloud Technologies & DevOps Tools	AWS, PCF, EC2, EBS, S3, Docker, ECS, EBS, EKS, SQS, RDS, S3, Glacier, Lambda, Kubernetes
Operating System	Windows, Linux, Unix, MA-OS 10.13.2
IDE's	Eclipse, Visual Studio, IntelliJ, Spring Tool Suite, Sublime Text, WinSCP, Putty

EXPERIENCE

Client: Delta Airlines   **March 2022 - Present**
Role: Full Stack Developer
Job Description:
Developed **webservices** for Self-service bag drop kiosks for airports to perform bag checking and tag printing. Retrieved data from backend **SOAP** services and performed data modification and developed **REST** web services to display the data. Orchestrated **GitLab** actions to automate **CI/CD** operations and configured **Jenkins** pipelines to deploy **APIs** to **AWS** servers.

Responsibilities:

- Micro services have been built using **spring boot**, **Netflix OSS**, **Spring Cloud** and deploying to **AWS Cloud.**
- Created instances in **AWS** as well as migrated data to **AWS** from data Centre using snowball and **AWS** migration service
- Design and build Docker tools and integrations like **Docker** images and **Docker** Plugins.
- Implemented **OAUTH 2.0** authentication protocol and provided **OAuth 2.0** token implementation guidelines for enterprise web API security model..
- Authenticating Users and to provide the security to **RESTful** web services using **O-AUTH 2.0.**
- Developed and implemented **REST API's** with **spring boot** framework and factory design patterns.
- Developed Micro Services based API using **Spring Boot** and **Spring Data**
- Developed various screens for the front end using **React JS** and used various predefined components from **NPM** and **Redux**
- Establishing RestfulAPI'S using **NODE.JS** and backend implemented **NODE.JS** application server.
- Used **MongoDB** internal tools like **Mongo Compass, Mongo Atlas Manager & Ops Manager, Cloud Manager** etc.
- Implemented Java EE components using **Spring MVC**, **Spring IOC**, **Spring transactions** and **Spring security** modules.
- Automated the front-end workflow using **NPM.**
- Involved in creating a reusable component using **React JS** for DOM manipulation.
- Implemented the Project structure based on Spring MVC pattern using **Spring Boot** and persisted data to MongoDB using Spring Data..
- Worked on **MongoDB** database concepts such as **locking**, **transactions**, **indexes**, **Shading**, **replication**, **schema design.**
- Extensive use of **Node.JS**, **Express JS**, and **Mongo DB** along with Mongoose to create server-side applications.

- Wrote Client-Side code using **React JS** and used **NPM** & gulp directories to generate the server environments used browser, flux to manage with targeted URL's and to monitor the application.
- Experienced in implementing the **Node.js** server-side code along with the Express framework to interact with **MongoDB** to store and retrieve data by using the **Mongoose** package.
- Worked on Prototyping and Implementation using Java, **Node JS**, AWS with Slacker platform.
- Implemented MVVM architecture using **Redux** Architecture with **React JS**.
- Speeding up Existing Applications with a Cache services using **Redis Cache, Gem fire.**
- Used JavaScript ES6 in **Node.js** runtime environment to build RESTful APIs and to import data
- Experienced in implementing the **Node.js** server-side code along with the Express framework to interact with **MongoDB** to store and retrieve data by using the **Mongoose** package.
- Used **Webpack** for bundling our application which takes JavaScript application and bundling it all together with its dependencies.
- Responsible for implementing UI mockups, integrating third party react libraries, and handling/creating **Redux** store data.
- Implemented a metrics collection mechanism for the server by utilizing **Apache Kafka** to stream server-side events.
- Developed single page applications using **React Redux** architecture, **ES6**, **web pack** and **grunt**.
- Used **Node.js** and **Express.js** to develop the relevant back end RESTful API.
- Implemented storing the High-volume transaction data in NOSQL Databases using **Spring Data.**
- Worked with a team to develop and maintain an internal Log Delivery System, utilizing various Apache products, **Kafka**, and **Tomcat**.
- Design and build Docker tools and integrations like **Docker** images and **Docker** Plugins.
- Design and build a large-scale global **Docker** Container-as-a-Service.
- Worked on **Docker** container implementation for the Enterprise build system
- Created producers, consumer, and Zookeeper setup for oracle to **Kafka** replication.
- Developed common reusable component libraries (CRUD Scaffolding) to be reused in different projects throughout the company's IT team using GWT, **Spring Data**, JPA.
- Developed and build the CI/CD pipeline in **AWS EKS** for both Staging and Production environments, ensuring efficient and reliable deployment processes.
- Deployed the web application **Kubernetes** Cluster on **AWS EKS**, enabling seamless scalability and robust performance.
- Implemented **AWS** solutions using **E2C, S3, RDS, EBS, Elastic Load Balancer**, Auto-scaling groups and used **AWS SDK** to connect with **Amazon SQS** for bulk email processing.
- Created instances in **AWS** as well as migrated data to **AWS** from data Center using snowball and **AWS** migration service
- Worked on using **Rule Engines**, **Drools** with corresponding to validate the business User Roles.

Environment: Mongo DB, Express JS, React JS, Node JS, Spring Boot, Redux, ES6, Web Pack, Grunt, NPM, OAuth 2.0, Spring Data, Mocha, Chai, Kafka, Docker, Spring Cloud, AWS, Drools.

Client: DHCS (Department of health care services)   DEC 2020-FEB 2022
Role: Full Stack Developer
Job Description:

As a developer, your role would involve creating and managing web applications and services like **Medicare Portal, Children care services** for DHCS (**Department of Health Care Services**) by utilizing a combination of front-end and back-end technologies. This would require collaborating with fellow developers, designers, and stakeholders within the state department to comprehend requirements and convert them into detailed technical specifications.

Responsibilities:

- Implementation of the design wireframe using **Angular 8.0** and exposing backend services which runs on **Spring Boot**. Here we also have another layer that makes use of NodeJS mainly used for authentication, authorization, and session maintenance.
- Developed UI application initially using **Angular 6.0** and made use of customized components.
- Developed key services for authorization and authentication in Node server, where we used LDAP. Later migrated the authentication from **LDAP** to **Ping** Access-**SSO** (Single Sign On) Application.
- Wrote services with **Angular 6** to store and retrieve user data from the **DB** for the application on devices with **HTTP** service.
- Implemented **point-to-point IBM** MQ for programmatical communication and later worked on enhanced implementation on **P/P IBM MQ** to **IBM MQ publisher/subscriber**.
- Worked on **Kubernetes cluster** as a part of deployment activity. Familiar with Open Shift commands mainly for deployment.
- Involved in innovation of the current UI for **SASS/LESS** to make an implementation under mobile device access using **cross platform technologies** such as Ionic which helps in improving the business.
- Made use of **Reactive Forms** using **Angular 8.0** where most of the validation is done using component rather than using **template-driven** which provides in **HTML**.
- Implemented the complete set up with configuration file changes from **Angular 6 to Angular 8.** While migrating the project which involved converting angular components and updating router Modules.
- Implemented Java EE components using **Spring MVC**, **Spring IOC**, **Spring transactions** and **Spring security** modules.
- Involved in writing test cases using **jasmine-karma, Test Bed** and maintained a stable code coverage with maximum threshold.
- Involved in **web services** design and development. Responsible for creating and consuming web services using **REST** and **XML**.
- Mainly involved in deployment activities CI/CD deployment and familiar with **OSE (Open shift origin).** Also made changes in Jenkins Files as per the requirement of the pipeline.
- Implemented features like Actuator in **Spring boot** for monitoring and tracing my application. Developed controller classes, complex services, database integration and backend process.
- Also created **YAMEL files** for using a swagger API within the UI.
- Implemented transaction management using **Spring AOP** and used **Spring Aspects** for implementing logging functionalities.
- Authenticating Users and to provide the security to **RESTful** web services using **O-AUTH 2.0.**
- Worked in integrating **JMS** with **SPRING BOOT** by providing an instance which is embedded with **Active MQ**.
- **NODE PACKAGE MANAGER (NPM)** was used to list out the right versions of the packages and their dependencies for the project.
- Extensively used **Spring IOC** configured **Application Context** files and performed database object mapping using **Hibernate** annotations.
- Implemented Spring Validators, persistence layer, and service layer components using **Spring/Hibernate API** and **Spring/Hibernate** annotations. Extensively used **Hibernate QL**.
- Created dynamic schema design through **NOSQL-CouchDB** by writing rich queries and achieved data in a collection to be distributed across multiple systems for horizontal scalability.
- Developed test cases for each component in different panels using Junit, reported and deployed using **Jenkins**.
- Have experienced developing web applications using **Bootstrap, Code Mirror, Brackets and Ember.js.**
- Involved in the creation of interface to manage user menu and Bulk update of Attributes using **Node.JS** and **jQuery**.
- Developed and configured **JMS** components in **WebLogic Application Server**.

- Implemented Spring Circuit breaker pattern, integrated **Hystrix** dashboard to monitor spring micro services, writing server-side request handling and automated functional test cases to validate UI functionality using **Node.js**.
- Designed and developed the framework to consume web services hosted in **Amazon EC2 instances**.
- Implemented **Spring Cloud-Netflix ZUUL** to build micro services for communication.
- Implemented a metrics collection mechanism for the server by utilizing **Apache Kafka** to stream server-side events.
- Building cloud Microservices and implemented back-end using **Spring Boot**. And Authored application using **Spring Cloud services** (spring version of **Netflix OSS-Eureka** that helps in routing, **Circuit Breaker** and **Ribbon** for client-side load balancing).
- Used **Docker Container** to address every application across the hybrid cloud and Docker for better collaboration and innovation.
- Configured **AWS EC2 instances**, domain mapping via **Route53**.
- Designed, configured, and deployed **Amazon Web Services** (AWS) for a multitude of applications utilizing the AWS stack (Including EC2, S3), focusing on high-availability, fault tolerance, and auto-scaling.
- Used **Apache Kafka** in cluster as messaging system between APIs and microservices and worked on **Splunk** SPL (Search process language) queries, reports and logging using Log4j.

Environment: JavaScript, HTML5, CSS3-LESS, Spring Security, Rabbit MQ, Node JS, Express JS,Bootstrap4.0, Hibernate4.x,OIDC, Eclipse Java EE, Jenkins, Log4j, Redis, Mongo DB, Mongoose Connector, Oracle, JBoss, Kibana, Elastic search, Logstash, EBS, Kubernetes, Dump Analysis, Netflix Zuul, Eureka, Swagger-OAuth 2.0, Maven3.0, AngularJS.

Client: Real time solutions, Albuquerque, NM   NOV 2018- NOV 2020
Role: Full Stack Developer
Job Description:

Developing and maintaining web applications and services for **New Mexico state** using a combination of front-end and back-end technologies. Collaborating with other developers, designers, and stakeholders in state department to understand requirements and translate them into technical specifications. Ensuring software quality by conducting thorough testing and code reviews. Troubleshooting and debugging issues as they arise in a timely manner.

Responsibilities:
- Developed and implemented **Restful Web APIs**, and exposes endpoints using **HTTP** methods like **GET, PUT, POST and DELETE**. Used **JavaScript, HTML, JSP** pages for developing front end UI and wrote application level code to perform client-side validation.
- Provide 24x7 support to the application in pilot and **production** phases. Support included being on conference calls, identifying and fixing **bugs**, investigating reasons for specific application behaviour.
- Used multithreading for writing the collector parser and distributor process, which was getting real-time data from Zacks API in format of **JSON,** using **multithreading** improved the performance by a lot. Moreover, using concurrency package of **collections** made it thread safe.
- Implemented **AngularJS Controllers** to maintain each view data. Implemented **Angular service calls** using Angular Factory with Dependency Injection to prevent scope conflict commonly found with JavaScript.
- Performed unit testing using **JUNIT** framework and tested DAO's and Business Services
- Written complex **SQL** queries, **Stored Procedures** and **Functions** in **PL/SQL** for manipulating the data.
- Extensively used **Jenkins** as Continuous Integration tools to deploy the **Spring Boot** with **Microservices** to Pivotal Cloud Foundry **(PCF)** using build pack**.**
- Developed application using **Spring JPA, Angular 2.0** on the presentation layer, the business layer is built using **spring** and the persistent layer uses Hibernate.

- Developed **Servlets** for server-side transactions and made use of **AJAX** for server-side processing without refreshing JSP page.
- Created Web User Interface (UI) using **HTML5, DHTML, table less XHTML, CSS3** and Java Script that follows W3C Web Standards and are browser compatible.
- Worked on Lambda Expressions, Functional interfaces Stream API's, Time API, and Improvements on Collection, Concurrency, and IO improvements by using **Java 8.**
- Implemented multi-threaded synchronization processes, with **JMS queues** for consumption of Asynchronous requests.
- Experience in implementing **Mongo DB CRUD** (**C**reate **R**ead **U**pdate **D**elete) operations by using **Mongoose** library in Node-JS including **Angular JS.**
- Implemented light weight **WADL** (Web application description Language) for better understanding of **Rest** based web services and its configuration.
- Designed new classes and functionalities using various **JQUERY components** for CRM application for customer service.
- Used **SOAPUI** to test for send and receive XML data and worked with **JMS Queues** for sending messages in point to point mode communication.
- Used **AJAX** and **JavaScript** for Client-side validations.
- Used **HTML5** wireframes with **CSS** provided by the design team. JS is used to make it dynamic.
- Experience in generating Reports and Dashboards on **Dynatrace** and **Splunk.**
- Migrated technology from **Angular 1.0** to **Angular 2.0** to use upgraded features such as Angular Components and Angular Routers as per the strategy requirement.
- Deployed our application on **Pivotal Cloud Foundry (PCF)** which is used to reduce the development overhead by providing a ready to use platform.
- Extensive professional experience in Developing and Deploying enterprise applications on web/application servers such as **JBOSS EAP 5.1, Tomcat 5.x/4.x, IBM WebSphere 6.x/7.x, Web Logic under Windows OS** and **UNIX.**
- Used **Maven** for compiling and building the code.
- Involved in bug fixing during the System testing, Joint System testing and User acceptance testing. Deploying the applications and binding third party services like App Dynamics on **Pivotal Cloud Foundry (PCF).**
- Used **Message body Writer** for converting Java types streams.
- Built **Java Security Aplite** add security and authentication to my application.
- Used **Subversion** for configuration Management and **Jira** for task management and bug tracking.
- Configured **Bamboo** to handle application deployment on **Cloud (PCF)** and to integrate with **Git Hub** version control.

Environment: Angular JS, HTML5, CSS3, AJAX, Bootstrap, JSON, XML, Active MQ, JMS, Hibernate, DB2, SOAP-AXIS2, Restful services, JAX-RS SOA, Eclipse Java EE IDE Neon.3, Git, Log4j, DB2, Maven, TestNg, WADL,PCF.

Client: Quantium Analytics (India)   SEP 2017 – OCT 2018
Role: Full Stack Developer
Job Description:

Working for an NGO project My Choices which focuses on Sexual trafficking and Domestic Violence. Implemented a **Financial Tracking Module** used by NGO team to track their **finances** and **expenses** month wise. Designed, coded, and tested key modules of the project using **java oops concepts**. Deployed the web application in **AWS cloud**.

Responsibilities:

- Designed and Developed web screens for both the units using **Angular** and **Java** with high quality of code.
- Implemented **SOAP Web Services** for Data Ordering information with external vendors.
- Used **SOAPUI** for testing web Services with different end points. Involved in implementing enterprise **SOA** application projects.
- Played key role in the design and development of application using J2EE, Struts, and spring technologies/frameworks using **Service Oriented Architecture (SOA).**
- Experienced in software development using **SDLC** Software development life cycle methodologies, **Object Oriented Technologies, UML**, **Agile** methodologies such as Extreme Programming XP, Scrum.
- Developed intermediary methods to retrieve data being sent to and from an object.
- Consumed third party web services APIs and Web Services using **AJAX** and **jQuery**.
- Used **Log4J** for error tracking.
- Strong Experience in database design using **PL/SQL** to write Stored Procedures, Functions Triggers and strong experience in writing complex queries, using **SQL Server** and **MySQL.**
- **JDBC** was used to make connection to **MYSQL** and retrieve necessary data from it.
- Found and solved problems within the system to make it more efficient.
- Developed and build the CI/CD pipeline in **AWS EKS** for Staging and Production environments.
- Created **Kubernetes** Cluster and deployed web application using **AWS EKS.**
- Good knowledge in the configuration management and version control software like **SVN**.

Environment: Angular JS, HTML, CSS3, Rest Services, Structs, AWS , JavaScript, jQuery, Git, Eclipse Java ID, SQL

Client: Zessta software solutions (Hyderabad, India)   **JUL 2015 – AUG 2017**
Role: Full Stack Developer
Job Description:
I was part of the team that developed an educational marketplace application named **skillmonks**. This application was based on **java** in the backend and **angular** in frontend. The application was deployed on **AWS** cloud. The application was connected to Database using **Hibernate**.

Responsibilities:
- Developed and implemented the **MVC architectural** pattern using **Struts Framework** including JSP, Servlets and Action classes.
- Developed **SOAP web services** (JAX-WS) for sending and getting data from different applications **WSDL** generation and exposed the service at server-side.
- Worked on **JSP, Servlets, Struts framework** and production support issues of the existing applications.
- Used **BackboneJS** for creating responsive UI modules with hardcoded dependency of **Underscore JS** in combination with Handlebar JS for templating.
- Used **Backbone JS** to utilize minimal set of data-structuring and user interface primitives for building a **MVC** workflow design.
- Database and Implementation skills with **ORM** frameworks Implementation skills with **ORM** frameworks like **Hibernate** and **MyBatis.**
- Designed and integrated the full-scale **Struts/Hibernate persistence** solution with the application architectures.
- Performed many DOM manipulations using **Native JS** and **jQuery** for loading and manipulating dynamic content on webpages.

- Created PL/SQL procedures, functions and written complex SQL queries for C2C resume builder.
- **JUnit frameworks** were used for performing unit and integration testing by writing test cases.
- Used **jQuery** to build accordion style content, drag and drop functionality, calendar, popup and modal windows.
- Experience in installing, configuring and deploying application on **Web Logic Server**.
- Used **JavaScript** and **jQuery** for validating the input given to the user interface.
- Build and maintain **SQL** scripts, indexes, and complex queries for data analysis and extraction.
- Created many **Stored procedures** and scheduled jobs to support our applications for to create reports for customers.
- Used **Log4j** for logging errors, messages and performance logs.
- Involved in **system integration** and solved the production issues.
- Involved in deploying the application. Worked on **MAVEN** to build the application.
- Developed **DAO** pattern to retrieve the data from database.
- Worked with the **QA team** to solve the issues related to the development
- For messaging, used **Message Driven Beans** for consumption of JMS.
- **Java message queue** (JMS) is used for exchanging the information and messaging services.
- Deployed application on **Client Linux server.**
- **ANT** was used as a build tool. Also worked in an agile work environment.
- Extensively involved in **Unit testing** and coordinated with the testing team and fixing Bugs at various stages of the application development.

Environment: Core Java, J2EE, JSP, HTML, MVC, Servlets, Struts, JMS, MDB, EJB3.1, JUnit, DAO, Web Logic Server, Ant, SOAP, JAX-WS, WSDL, Junit, SQL, Maven.