

Laksh Kiran Ippili

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PROFILE

- Accomplished Software Engineer with 5 years of experience in full stack development using Java, Spring, Hibernate, Angular and React involving all phases of Software Development Life Cycle (SDLC) and secure enterprise applications using Java/J2EE technologies.
- Proficient in Agile methodologies, ensuring collaborative, iterative development cycles. Skilled in writing clean, scalable code, adhering to industry best practices and design patterns.
- Experienced in database management with MySQL and Oracle, implementing RESTful APIs for seamless front-end to back-end communication.
- Experienced in Java/J2EE design patterns like Factory, DAO, Singleton and Prototype, transfer objects, Business Delegate, Proxy, and Model-View-Controller (MVC) in the development of enterprise level applications.
- Strong problem-solving abilities, committed to continuous learning, and effective communication for cross-functional collaboration, dedicated to delivering high-quality solutions exceeding customer expectations.
- Skilled in web technologies including HTML5, CSS3, JSON, XML, JavaScript, jQuery, Bootstrap, AJAX, DOM, Servlets, JDBC, JSP, Java Security and Collections.
- Developed various web components such as JSPs, servlets, Filters, Custom Tag Handlers.
- Implemented various AJAX frameworks like jQuery, DOJO, and JSON for enhanced interactivity and seamless integration between front-end and back-end applications.
- Expertise in backend development using Node JS, TestNG and Cucumber with a focus on building scalable and efficient server-side applications.
- Hands on experience with Selenium for test automation, ensuring high-quality software releases.
- Comprehensive and extensive knowledge of the Spring framework including Spring MVC, Spring IOC, Spring AOP, Spring Boot, Spring Security and Spring Data JPA facilitating and securing enterprise level application development.
- Developed microservices using Spring Boot and deploying Microservices.
- Expertise in Middleware persistence frameworks like Hibernate/JPA entities for mapping Java Classes using Hibernate Query Language (HQL), HSQL Named Criteria and Queries along with Projections.
- Adept at using Hibernate for efficient data management and persistence in Java applications.
- Proficient in developing and integrating web services using REST API and SOAP UI.
- Skilled in Kubernetes and Docker for container orchestration and deployment enhancing development workflows.
- Experience with Tomcat and HTTP, ensuring smooth and reliable web server operations.
- Proficient with Git and GitHub for version control and familiar with development and project management tools like VS Code, Maven, Eclipse, and Jira.
- Expertise in designing and implementing microservice architecture, contributing to modular and maintainable software systems and has expertise in working on Windows and Mac OS, ensuring compatibility and performance across different systems.

TECHNICAL SKILLS

Languages	Java, Python, C, C++, Gherkins, SQL
Databases	MySQL, Oracle, MongoDB, Postgre SQL, HSQL
J2EE and Web Technologies	HTML5, CSS3, JSON, XML, JavaScript, jQuery, Bootstrap, AJAX, DOM, Servlets, JDBC, JSP, Java Security, Collections
Frameworks and Libraries	Angular JS, ReactJS, Node JS, Cucumber, Selenium, Spring, Spring MVC, Spring IOC, Spring AOP, Spring Boot, Spring Security, Spring Data JPA, Hibernate
Networking and Others	REST API, SOAP UI, Tomcat, HTTP, Postman, Microservices, Kubernetes, Docker
Testing and Logging Tools	Junit, JMeter, TestNG, Log4j, Mockito
Source Code Management	Git, GitHub, BitBucket, Subversion (SVN), Concurrent Versions System (CVS)
Workflow Tools	VS Code, Maven, Eclipse, Jira
Operating System	Windows, Mac OS

WORK EXPERIENCE

Royal Caribbean, Miami, US Java Full Stack Developer

Jan 2023 – July 2024

- Implemented and managed the various phases of Software Development Life Cycle (SDLC) applications including requirement analysis, design, and code development.
- Developed scalable web applications using HTML5, CSS3, Bootstrap, JavaScript, React.js for frontend development and used React Hooks for forms, events, routers, Redux, animations and hooks.
- Developed Java modules implementing business rules and workflows using Spring MVC, IOC, and Web frameworks and worked on development of Hibernate, including mapping files, configuration file and classes to interact with the database.
- Used Spring Boot, which is radically faster in building Micro services and develop Spring based applications with very less configuration and involved in refactoring the code for JVM Optimization and performance of application.
- Involved in Maven based build process and continuous integration of the project using Eclipse and VS Code.
- Used SOAP web services and RESTful web services for transferring data between applications.
- Integrated Java 21 with Spring framework for building scalable applications with dependency management.
- Integrated OAuth 2.0 authentication for secure web applications and utilized Datadog for log management, monitoring, and analysis of system logs.
- Experienced in unit integration and functional testing using frameworks like Junit, Mockito, TestNG.
- Created automated test scripts using Selenium WebDriver and TestNG for comprehensive testing of applications.
- Worked on user interface enhancement, focusing on usability, and ensured web content is responsive and compatible across various browsers and conducted thorough code reviews to perfect the code usage by 50%.
- Improved maintainability by implementing APIs and optimized API calls to decrease memory usage by 60% and speed up queries by 35%.
- Involved in writing program documentation and technical specification documents.

Environment and Tools:

Java, J2EE, Spring v3.x, Spring MVC, Spring Security, Hibernate v3.0, Oracle DB, Angular JS, Node JS, Bootstrap, CSS, HTML5, JavaScript, jQuery, AJAX, Tomcat, Maven, JIRA, SOAP UI, RESTful API, WSDL, Spring Based Microservices, Agile, Cucumber, CI/CD, Docker, Kubernetes.

Capgemini Hyderabad, India Software Engineer

August 2021 – May 2022

- Utilized Java Collection Framework classes extensively to manage application objects and created highly interactive web pages using AJAX, JavaScript, and React JS.
- Worked as Lead Developer where it helps employees to access the training assigned by their respective Heads and optimized API calls to decrease memory usage by 60% and speed up query by 35%.
- Developed a responsive single-page application (SPA) with React JS, JavaScript, HTML5, and CSS3, collaborating closely with front-end UI team.
- Applied the Spring Validator framework for both client-side and server-side validation and implemented dynamic JSP loading with AJAX.
- Developed Angular JS controllers, custom directives, and filters to manage view data, and implemented Angular Service calls using Angular Factory.
- Designed and developed a SPA and a custom REST API using Angular JS, MongoDB, Node.js and enhanced in-browser performance using Angular and React JS for rich internet applications and module loading.
- Built rich UI applications with JavaScript, HTML5, XML, Bootstrap, CSS3, Typescript and Angular 8.

- Implemented web applications using Angular and React JS incorporating HTML5, CSS3, jQuery, Bootstrap and other web technologies.
- Experience in writing Behavior Driven Development (BDD) codes using Cucumber framework and deployed production-ready code by ramping on the assigned codebase.
- Used Eclipse for development, testing and debugging of the application.
- Worked in TDD environment used Mockito to develop test cases and test them through Junit and TestNG frameworks to improve coverage and quality of code and used Logging framework Log4j to log messages.

Environment and Tools:

Java, J2EE, Spring Framework, Spring Security, MongoDB, Angular JS, React JS, Bootstrap, CSS3, HTML5, JavaScript, jQuery, AJAX, Tomcat, Maven, JIRA, RESTful APIs, TestNG, Mockito, Agile, Cucumber, CI/CD, Log4j, BDD, TDD.

Voziq

June 2019 – July 2021

Hyderabad, India

Junior Software Engineer

- Adapted to professional environment, displaying strong critical thinking skills, go-ahead attitude and even managed multiple tasks with 100% efficiency and met project deadlines in an evolving environment.
- Engaged in Java-based application development and gained exposure on collaborating with a team of 8 developers, from sprint planning, debugging, addressing issues in codebase, troubleshooting, resulting in the successful deployment of 5 major projects aligned with business needs and standards.
- Implemented RESTful APIs for communication between modules, ensuring scalability and identified problem statements, outlined optimal solutions, accounted for edge cases following Agile methodologies.
- Contributed to frontend development using HTML5 and CSS3 for the website design and integrated multimedia elements, adhering to HTML5 standards and utilized JPA and Hibernate, improving data retrieval times by 30%.
- Developed the applications under J2EE architecture using JSP, Struts, Spring, Java Beans.
- Developed JSP Pages using DOJO JavaScript Library with AJAX and along with POJO files and jQuery for client-side validations.
- Integrated Hibernate ORM framework with Spring framework for data persistence and transaction management.
- Created and implemented stored procedures, functions and triggers using SQL in Oracle database.
- Participated in verification and validation and used Angular JS API in manipulation of the strings.
- Using Angular JS with CSS3 in case of success or failure scenarios.
- Errors were logged using Log4j and JUnit for debugging the application. Tested all major functionalities using JUnit and TestNG.
- Prepared technical reports and documentation manuals during the program development.
- Interacted with users in case of technical problems and mentored the business users.
- Implemented Spring MVC architecture and Spring Bean Factory using IOC concepts and involved in multi-tiered J2EE design utilizing Spring Inversion of Control (IoC) architecture and Hibernate.
- Developed and designed the web interface using HTML5, CSS3, JavaScript, jQuery and developed applications based on Spring Framework, Spring MVC.
- Utilized Spring framework to implement design patterns including IoC, DI, Spring DAO (Data Access Object), DTO (Data Transfer Objects), and ORM Mappings.
- Worked on writing SQL queries, and stored procedures for seamless retrieval of data.
- Developed applications on Maven build and deployed J2EE components in application server.
- Performed unit testing using Junit.
- Used Git, GitHub for version control to maintain project versions.
- Developed Web Services to allow communication between applications through SOAP UI.

Environment and Tools:

Java, J2EE, Spring Framework, Spring MVC, Spring IOC, Spring AOP, Spring Boot, Spring Security, Spring Data JPA, Hibernate, MongoDB, Angular JS, Bootstrap, CSS3, HTML5, JavaScript, jQuery, AJAX, JSON, XML, DOM, Servlets, JDBC, JSP, Java Security, Collections, Tomcat, Maven, RESTful APIs, SOAP UI, TestNG, Mockito, Agile, Cucumber, CI/CD, Log4j.

EDUCATION

Wright State University

Fairborn, Ohio

Master's in Computer Science

Relevant Course Work

Distributed Computing, Information Retrieval, Algorithm and Design Analysis

CMR Engineering College

Hyderabad, India

Bachelor of Technology

Relevant Course Work

C, C++, Java, Object-Oriented Programming, Python, Database Management

PROJECTS

SMS Spam Filtering, Wright State University

- Developed SMS Spam filtering program using machine learning techniques, leveraging feature extraction from real-world dataset containing 1324 messages, including 1002 legitimate messages and 82 spam messages.
- Utilized Java and WEKA to implement feature extraction algorithms, including character count analysis, currency symbol detection, numeric string identification and term frequency analysis, resulting in a Random Forest Classifier achieving 93% accuracy with balanced spam and ham classification.

Cranfield Search Engine, Wright State University

- Developed a python search engine using Cranfield Dataset which holds 1400 documents, 225 queries and 1826 evaluations employing scikit-learn for indexing and querying.
- Implemented an Indexer module to transform documents into a searchable matrix using Binary Vectorizer and Custom TF-IDF Vectorizer, incorporating text preprocessing tasks like tokenization and lowercasing, cutting stop words. Also, developed a Query processor to evaluate similarity using Manhattan and Cosine similarity.