CHITRA RAGHUNATHAN
Senior Java Developer

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PROFESSIONAL SUMMARY

- Around 15 years of IT experience in design, development, implementation and testing of Client-Server, Web Applications using Java/J2EE Technologies.
- Expertise on Core Java Technologies like Multithreading, Collections and Exception handling mechanisms.
- Experience in design and development of web-based applications using Java, Spring boot, Microservices, Kafka, NoSQL and Design patterns.
- Experience in implementing SOA (Service Oriented Architecture) using Webservices (SOAP, WSDL, Restful and JAX-WS).
- Expertise in developing and architecting enterprise level large scale multi-tier solutions using various AWS Services including EC2, ELB, S3, RDS, IAM, IAM, Cloud Watch, SQS, SNS.
- Understanding of Platform as a Service (PAAS), Infrastructure as a Service (IAAS), Cloud native applications and Twelve Factor application design concepts and provide inputs to governance mechanism with PaaS & CaaS.
- Experience with the ORM tool Hibernate involving Connection pooling, Mappings, Transaction Management, HQL (Hibernate Query Language).
- Experience in SDLC (Software Development Life Cycle) and the methodologies like Waterfall Model and Agile Methodology.
- Used Maven/Gradle scripts for building and deploying the applications.
- Experience in creating test cases using Junit, Mockito, Selenium, TestNG, Cucumber.
- Strong debugging and troubleshooting skills.
- Hands on experience with scripting languages like Unix, Linux.
- Familiar with Fortify SCA, SonarQube, SAST, DAST and remediate the code vulnerabilities following the OWASP guidelines.

TECHNICAL SKILLS

- Java Technologies Java, J2EE, Java Webservices (JAX-WS) and Restful, Servlets
- Microservice Architecture Spring Cloud, Eureka, Zookeeper, Zuul
- Frameworks/API's JPA, Hibernate
- Webservices SOAP, REST
- CI/CD Jenkins
- Caching/MQ Redis, Kafka, RabbitMQ
- Code Quality Assurance tool SonarQube
- J2EE Servlets, JSP, JDBC, JAXB, JAX-RS, JAX-WS
- Scripting/Markup languages HTML/HTML5, CSS/CSS3, JavaScript, jQuery, Ajax
- Framework Spring boot, Spring Cloud, Spring, Struts, JSF, Hibernate
- Containers Orchestration Kubernetes, Docker
- Versioning Controlling tools Git, SVN, CVS
- Build & Deployment Ant, Maven, Gradle
- Application Server Web-logic, Tomcat
- Methodologies Agile, Waterfall, Scrum
- Operating Systems Windows, UNIX
- Code development tools Eclipse, IntelliJ, Visual Studio
- Databases Mongo, Cassandra, Oracle, SQL, PL/SQL
- Application Security SAST, DAST, HP Fortify
- Web Technologies Angular

WORK EXPERIENCE

Senior Java Developer   **May 2023 – Aug 2023**
BLACKARROW FINANCIAL SOLUTIONS

- Designing software components using object-oriented design principles.
- Responsible for creating and maintaining architecture for Restful API using Spring Boot.

- Troubleshoot and correct software defects.
- Experience building microservices, developed Java modules implementing business rules and work flows using Spring Boot.

Lead API Developer   Oct 2022 – Jan 2023
VIRTUSA CONSULTING SERVICES (LLOYDS BANK)

- Designed and developed a Restful APIs for different modules in the project as per the requirement.
- Be involved in the development life cycle and perform definition and feasibility analysis.
- Apply the latest software design techniques and contribute to the technical design of new solutions.
- Implement common APIs based on architecture guidelines and frameworks.
- Used Microservice architecture with Spring Boot based services interacting with REST.
- Using various DevOps tools implemented Continuous Integration and Continuous delivery framework using Jenkins, SonarQube scan.

Software Developer   May 2022 – Sept 2022
FORD MOTORS

- Designing, coding and Unit testing complex software feature extensions to the existing product set, as well as creating new software solutions.
- Maintain and improve website through real-time monitoring tools, logging and analytic technologies such as Kibana, Splunk.
- Coded solutions and unit tests to deliver requirements/stories per defined acceptance criteria.
- Designed and developed the REST based Microservices using the Spring Boot.
- Developed story/task by following TDD/BDD and Pair programming concepts.
- Worked as a front-end web developer and Angular based application.

Principal Engineer   Mar 2016 – Mar 2022
VERIZON INDIA PVT LTD

- DevOps implementation in multiple projects. Hands on experience in developing CI/CD pipelines.
- Have extensive hands-on coding experience in scalable & secure RESTful API development using microservices architecture and springboot.
- Perform architecture review, code review, optimization and mentor junior developers.
- Designed scalable architecture systems, defines infrastructure for design and integration of internet computing systems.
- Manage and build out fault tolerant Self-Healing systems.
- Experienced in Agile development process for diverse requirements.
- Migrated a monolithic app to microservice architecture using Spring Boot and 12-factor app methodology.
- As an experienced engineer, strong experience in building architecture and applications with security standards, handling vulnerabilities, static and dynamic code analysis and penetration testing.
- Involved in designing secure, scalable, decoupled systems based on microservices and Lambda architectures.
- Used spring config for centralized configuration and kibana for centralized logging.
- Used microservice architecture with spring boot based services interacting through a combination of REST and Apache Kafka message brokers and also worked with kafka clusters using ZooKeeper.

Senior Software Engineer   Oct 2011 – Mar 2016
COMPUTER SCIENCE CORPORATION

- Performed various tasks associated with application programming using Java, Struts, Spring frameworks.
- As a full stack developer and responsible for developing front end website architecture using Angular and HTML\CSS
- Experienced in developing Behavior Driven Development (BDD) test cases using Cucumber and Selenium.
- Worked on developing REST API's and experienced in Maven framework and Hibernate.
- Make contributions towards development and performance improvement in the system.
- Work as a member of sprint team to independently work and self-management, did the works by committed framework and quality level.
- Used Spring framework for integrating the MVC components with business services.
- Created build and deployments scripts using Maven.

Senior Engineer   **June 2010 – Oct 2011**
VIRTUSA SOFTWARE SERVICES

- Implemented Java EE components using Spring MVC, Spring IOC, spring transactions and spring
- security modules.
- Designed and developed software using test-driven design and development methodology.
- Developed the applications using Core Java concepts like collections, multithreading, object-oriented concepts, exception handling.
- Implemented application using various design patterns like Singleton, factory, abstract factory design patterns.
- Develop, execute and analyse performance models based off analysis of use cases, activity diagrams, sequence diagrams and task analysis work.

Associate Consultant   **Jun 2008 – Jun 2010**
POLARIS SOFTWARE LAB

- Responsible for developing action classes for business logic and form bean classed for presentation logic using MVC framework.
- Developed UI pages using front end technologies like JSP. HTML/CSS.
- Developed action classes, action forms and struts configuration file to handle required UI actions, JSPs for views.
- Created SQL Queries using PL/SQL, SQL and constructing layers, server-side objects and client-side interfaces.
- Involved in requirement gathering, analysis, design and unit testing assigned software features a functionalities.

CERTIFICATIONS

- Professional Scrum Master (PSM I).
- AWS Certified Solution Architect Associate (Expired).

EDUCATION

- **MCA** (Master of Computer Application)
  Madras University

- **Bachelor of Science** (Mathematics)
  Madras University