Chandrasekaran K

Senior Technical Specialist

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Seasoned Technical Specialist with over 13 years of experience in developing robust web applications across Telecom and Healthcare domains. Proficient in Java, Spring Boot, Microservices, ReactJs and SQL, with comprehensive expertise in all stages of the development lifecycle. Adept in leading cross-functional teams, providing accurate project estimations, and conducting effective defect triaging. Skilled in implementing various development methodologies including Safe Agile, Scrum, Test-Driven Development (TDD), and Behaviour-Driven Development (BDD). Proven track record in designing and documenting system architecture, creating and deploying microservices in Docker, and ensuring high code quality through rigorous reviews and test coverage. Highly effective in resolving deployment issues and coordinating with product owners to achieve and exceed project goals.

Technical Proficiencies

Java	Spring Boot	Spring Reactive| Spring Web Flux	Hibernate	Rest API	Soap |Micro Services	Maven	Junit	Mockito	Kafka	React JS	AJAX	JavaScript	CSS
Big Data Technology	Apache Spark, Pyspark
Databases	SQL	Cassandra	Mongo DB	MySQL
Web/App Servers	WebSphere| Tomcat| JBoss EAP| WebLogic
Cloud Computing	AWS (VPC, EC2, RDS, S3)
Tools	Databricks	Kibana	SonarQube	Swagger	Open Api	Gragfana	New Relic	Okta	Splunk	JIRA	Agile
SCM	Jenkins	Kubernetes	Git	GitHub

Career Experience

Brillio Technologies Pvt Ltd (Client: Verizon, ACSS)   Dec 2020 – Present
Software Developer & Team Lead

- ACSS is a vital wireless contact centre application that enables agents to efficiently manage client needs while maintaining profitability.
- It is the goal of the project to replace the monolithic system architecture of ACSS with a new NSA design built on the microservices-oriented Spring Boot platform with AEM template.
- To streamline suspension, reconnection, disconnection, and reactivation, Verizon's Automated Customer Care System integrates with OSS/BSS, CRM, Billing, and Network Provisioning via RESTful APIs and automation workflows.
- Implemented micro services-based architecture using Spring Boot interacting through REST API.
- Worked with ORM frameworks such as Spring Data.
- Developed end-to-end flow, including controller classes, service classes, and DAO classes following the Spring MVC design. Implemented business logic using core Java API
- Migrated dependencies from a Java 8 to a more stable environment and version on Java 11
- Worked with NoSQL database to store JSON like dynamic connections data.
- Worked with Spring Cloud and Netflix OSS-Eureka for service registration and discovery.
- Developed and maintained React JS applications using best practices such as component-based architecture, state management, and testing.
- Developed Mock data generation feature that is integrated with GraphQL IDE interface to allow users to send queries against their custom generated schema and render mock results in order to familiarize users to GraphQL syntax.
- Oversaw a group of thirteen people who estimated and established story points for user stories.
- Developed design as a whole and produced documentation outlining interface specifications and design.
- Set up Grafana and Kibana monitoring and Fortify scan and New Relic and analysed service utilization metrics to find opportunities for improvement.
- Fixed critical code and a 40% increase in overall application performance.
- Resolved deployment problems in newly configured environments by creating and deploying new microservice bundles in Docker.
- Used SonarQube to implement static code analysis to find and fix security issues in pull requests; successfully mitigated vulnerabilities and ensured the integrity of the codebase before advancing changes to higher environments, resulting in a 40% reduction in security incidents.
- Ensured scalability using scheduler architecture to manage concurrent daily and monthly jobs.
- Used 100% Swagger to test applications by leveraging its UI for testing, documenting, and visualizing RESTful APIs.
- Used the Mockito framework to run Junit test cases, simulating credit risk stubs and guaranteeing 100% coverage.

Accenture (Client: AT&T, AT&T Online Sales & Service)   **Jan 2019 – Dec 2020**
Application Development Technical Lead

- The Project is about migrating existing monolithic system architecture of AT&T online sales to new architecture based on SOA oriented microservice framework, which is has Spring, ATG, so that it can interact with other business organization easily (loosely coupled) to get functions done via services. The back end is completely handled in ATG, and the frond end is done in spring boot.
- Managed the migration of monolithic architecture to microservices using Spring Boot, significantly improving system efficiency and scalability.
- Utilized Java 8 and Spring Boot to develop robust backend services.
- Applied development methodologies including Safe Agile and Scrum to streamline project workflows.
- Provided project estimations, managed daily standups, and coordinated cross-group communication.
- Triaged defects reviewed code quality with Sonar and Junit and ensured high test coverage.
- Designed the system architecture, established design and interface specification documents.
- Developed and deployed microservice bundles in Docker, mitigating deployment risks.

Accenture (Client: AT&T, AT&T Business Centre Service)   **Jun 2013 – Dec 2018**
Sr Software Engineer

- AT&T Business Center is a customizable, self-service account management portal designed to help businesses manage their AT&T services BSS efficiently. It provides tools for tracking orders, analysing billing, and more.
- Order Management: Track and manage service orders in real-time.
- Billing Analysis: Access and analyse billing information.
- Support Tickets: Create and monitor support tickets for service issues.
- Maps and Maintenance, Registration and Ordering projects in BC Service used by AT&T for maintaining their User, Order, inventory, tickets, alarm etc. The application was developed using Spring Boot with Micro Service, Restful web services.
- Managed the migration of monolithic architecture to microservices using Spring Boot, significantly improving system efficiency and scalability.
- Utilized Java 8 and Spring Boot to develop robust backend services.
- Applied development methodologies including Safe Agile and Scrum to streamline project workflows.
- Triaged defects reviewed code quality with Sonar and Junit and ensured high test coverage.

Infinite Computer Solutions (Client: Verizon, Unified Ordering Task Management)   **Nov 2011 – June 2013**
Software Engineer

- UOTM application is a task management system for Verizon agents which helps customers to place orders for telecom products. Customer requests are fed to the application as tasks which will be processed by Verizon agents and Customers are responded back through email. Customer requests can be established through email, fax, phone calls and through different other systems like Order, SMP etc.
- Struts UI Component Technical Implementation and Development.
- Applied KonckoutJs in the project.
- Accountable for bug manageability and testing the individual use case and Tracking defect using JIRA.
- Involved Agile/Scrum process to update the task progress in daily standups.

Education

Master of Computer Science Engineering
   St Peter Deemed University, Chennai, India

Bachelor of Computer Science Engineering
`   PGP College of Engineering and Technology, Namakkal, India