AKHIL SURNEDI
Sr. Java Full Stack Developer
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PROFESSIONAL SUMMARY:

- 6+ years of work experience in Java through all phases of the Project Life Cycle.
- Proficient with Agile methodologies including TDD, Incremental and Iteration methodology, and Scrum.
- Experience with UI frameworks such as jQuery, JavaScript, HTML5, CSS3/4, Ajax, and AngularJS.
- 5 years of experience as a full stack developer using Angular (8/10/11/15).
- Proficient in design patterns like MVC, Service Locator, Decorator, and Front Controller.
- Extensive work with Core Java, Multithreading, Transactions, Exception Handling, and Collections.
- Expertise in Spring Framework (Spring AOP, Spring Transaction Management, Spring Data, Spring Batch, Spring Boot, Spring Cloud).
- Implemented Java EE design patterns such as MVC, Singleton, Factory, Adapter, Service Locator, Session Facade, DAO, DTO, and Business Delegate.
- Developed RESTful APIs and microservices using Spring MVC, Spring Boot, and JAX-RS.
- Experience with Docker, Kubernetes for containerization and orchestration.
- Strong experience with Hibernate, JPA, Spring Data, and Spring Security.
- Implemented microservices architecture with Spring Eureka, Spring Ribbon, and Spring Hystrix.
- Extensive experience with MongoDB and migrations from SQL to NoSQL databases.
- Proficient in messaging services using Apache Kafka, JMS, RabbitMQ, and IBM MQ.
- Experience in cloud technologies and cloud migration with AWS (EC2, ELB, Auto-Scaling, S3).
- Proven experience as a Technical Lead with strong leadership, communication, and interpersonal skills.
- Strong problem-solving and decision-making abilities, able to work effectively in fast-paced, collaborative team environments.

TECHNICAL SKILLS:

Programming Languages	Java 11.0/8.0/7.0/, PL/SQL, Python, Oracle ADF Faces
Java/J2EE Technologies	Servlets, Spring, EJB, JPA, JDBC, JSP, JSTL, JNDI.
Frameworks	Spring 5.x/4.x, Hibernate 5.0/4.x, Spring Security 3.2, Spark, Tibco, Quarkus, Oracle ADF
Application/Web servers	Apache Tomcat 8, IBM WebSphere 8.x/9.x, Web Logic 12c
Relational Databases	Oracle 10g/11g, SQL server 2012/2014/2016, MySQL 5.7, DB2 11.1
NoSQL Databases	MongoDB, Cassandra
Internet Technologies	HTML5, JavaScript 1.8, TypeScript, XML2.0, CSS3/4, jQuery2.11, Angular 6/8/10/11/15, NodeJS 6.0, Express, React JS
Cloud Environments	AWS, Google Cloud Platform, Kubernetes.
IDE	Eclipse, NetBeans 8.0.2, IntelliJ 2017.1, Spring Tool Suite (STS) 3.8.3, RAD 6.0/7.0
Operating system	Windows 10, Linux Mint 18.1, Unix
Testing & Bug tracking Tools	JUNIT4.12, JIRA 7.0, Bugzilla 4.4.12, Curl 7.36
Methodologies	Agile, waterfall, TDD (Test-Driven-Development), Scrum
Build Tools	Ant 1.10, Maven 3.3.9, Gradle 3.4.1, AEM,
Web Services	SOAP 1.2, REST 2.0, JAX-WS, JAX-RPC, JAX-RS,

Bachelors: National Institute of Technology, Silchar (Computer Science and Engineering) – graduated in 2018

PROFESSIONAL EXPERIENCE:

CITI   **May 2022 – Till Date**
Role: Sr. Java Full Stack Developer
Responsibilities:

- Involved in Requirements gathering, analysis, design, development, testing and Maintenance phases with Agile approach.
- Used Angular 10 controllers to control page data and models to bind data in user interface with controller.
- Created Typescript reusable components and services to consume REST API's using component-based architecture provided by Angular.
- Used Typescript to write the Angular end go components, modules, services and models.
- Building and maintaining large scale front-end applications.
- Extensive expertise utilising JavaScript framework like angular JS to construct single-page applications (SPAs).
- Developed reusable TypeScript components and services to consume APIs with the use of Angular's component-based design.
- Created two-way data binding in angular JS, which aids the application in managing the typescript and angular-based automatic data synchronisation between the view and model components.
- Developed and implemented REST API's using for NGINX.
- Angular.js framework was utilised, wherein security setups for authorization and authentication are utilised to save data from the backend in a model that is filled on the user interface.
- Updating the application from the current version of Angular to a newer one, componentizing the code in accordance with Angular's guidelines, and improving testability.
- Used Spring Boot for Microservices to develop the services. PCAT domain manages the Physical inventory of the network like Equipment Shelf, Accessories, and Devices.
- Developing web applications using Java11.0, J2EE, and Spring Boot.
- created responsive site design with reusable touch UI with Adobe AEM6.3 templates for editors and users.
- Worked on identity and access management (IAM) to ensure only authorized personal can access.
- Worked on integrating front end solutions with backend services and API's.
- Experienced in React JS and working with React Flux architecture
- Implemented various screens for the front end using React.JS and used various Predefined components from NPM (Node package Manager) and redux library.
- Expertise in using TIBCO Suite of products such as TIBCO Business works, TIBCO adapters and TIBCO EMS.
- Ability to install TIBCO products and setup multiple TIBCO domains for the company.
- Managing and maintaining best practices for code deployment, change control and CMS process.
- Used spring framework to inject services, entity services, transaction management, and concerns by factory class corresponding to the use case operation executing.
- Worked on creating Swagger APIs for the endpoints to be exposed for the gateway.
- Use Spring Core Annotations for Dependency Injection Spring DI and Spring MVC for REST API s and Spring Boot for micro-services.
- Deployed Spring Boot based Microservices into Docker container using Amazon EC2 container services.
- Ability to write spring batch jobs for updating bulk records at specified intervals of time.
- Used Hibernate as ORM to map Java classes to data base tables.
- Involved in configuring the client software to work properly with the TIBO interfaces developed.
- Involved in reviewing code with the team to maintain code efficiency and stability on the application.
- Migrating existing application into micro services architecture using Rest APIs, spring boot.
- Worked on various production issues and supported UAT environment for the entire application.
- For the application, a generalized JPA Toplink mapping template was created so that top link-related functionality could be segregated from the real DAO implementation. Used Quarkus to combine imperative programming with a non-blocking reactive approach.
- Testing in the development environment and higher environments used based on Jenkins.
- Experience developing ADF web applications with Oracle ADF Coherence as the backend
- Worked on Test cases for achieving the sonar code coverage for different domains.

- Developed REST API's using Spring MVC and spring boot and deployed all Microservices.
- Created SQL queries, React.JS, Stored Procedures, Functions for the Database layer by studying the required business objects and validating them with Stored Procedures. Also used Spring Data JPA with Hibernate.
- Managed and maintained Oracle and MySQL databases in all the environments (QA, UAT, PROD)
- Configured MS Build to resolve dependencies and deploy build artifacts through Artifactory.
- Designed and deployed a scalable AWS Simple Notification Service (SNS) pipeline to handle real-time messaging and alerting for critical system events, improving notification delivery speed by 30%.
- Involved in CICD process using GIT, Jenkins job creation, Maven builds and publish, and implementation.
- Designed a continuous integration and delivery (CI/CD) system using Jenkins in a Kubernetes environment. The system was built, tested, and deployed using the runtime environments of Kubernetes and Docker.
- Created microservice onboarding tools that leverage Jenkins and Java to make it simple to create and manage build processes and Kubernetes deployment services.
- Using PCF did smoke tests, which are functional unit and integration tests on all major system components.
- Writing Junit test cases for the testing.
- Used Kibana to verify logs for the various environments.
- Exploring/Learning on gateways like Oracle Service Bus OSB.
- Coordinated with Performance team to get thread dumps tuned java as well as DB code.

Environment: JAVA 11.0, J2EE, Angular 15, Typescript, Hibernate, MYSQL, Web Services, JDBC, Spring Boot 1.3, JPA 1.0, JUnit, Tomcat Server, Micro services, AEM 6.3, Quarkus, Oracle ADF, Bloomreach.

Cognizant Technology Services(American Express)   **August 2019 to May 2022**
Role: Software Engineer
Responsibilities:
- Actively involved in Analysis, Design, Development, System Testing and User Acceptance Testing. Followed agile methodology in the Scrum Cycle model.
- Extensive experience in J2EE environment based on Model View Controller (MVC) architecture for development using spring and utilized the features of Angular 8.0 to present effective web design.
- Created stage timeline in web UI client using JavaScript and angular and implemented stage deletion in cli using GOLANG.
- Developed GOLANG based web services on AWS and google app engine
- Edited public site designed pages using HTML 5, CSS4 and JavaScript.
- Thorough familiarity with React.js, including component lifecycle, state management, and contemporary frontend development techniques.
- Extensive knowledge developing applications in a single page (SPAs) using various Java Script frameworks like Angular8, Pure CSS, React.JS.
- Used ES6 new features such as let, const, map functions, modules and others in Angular Typescript.
- Developed numbers on typescript objects including components, ngModules, providers, services, interfaces and classes.
- Strong experience with Adobe Experience Manager (AEM) as a content management specialist (CMS)
- Facilitate the continuous adoption and training of IAM capabilities.
- Created charts components using D3 and high charts library
- Developed Server-side automation using Node.js
- Used advanced Java8 features like Lambda expressions for array operations, Streams, collections.
- Developed Java 8 code from legacy code by deriving requirements from legacy functionality.
- Developer multi-threaded standalone app in Python, Java to view circuit parameters and performance.
- Developed Python batch processors to consume and produce various feeds.
- Developed server-side application to interact with database using Spring Boot and Hibernate.
- Implemented pre-authentication and database security using Spring Security and securing application access and Spring Batch for scheduling, maintenance of batch jobs.aw
- Used Spring JPA to perform the CRUD operations and persist the data to the database.
- Used Java/J2EE Design patterns such as Observer design patterns and designer factors Service Locater, DAO etc. and Spring IOC pattern and responses.

- Experienced in developing enterprise applications and distributed systems utilizing technologies such as Core Java, JEE (Servlets, JSP, JSF EJB, Hibernate, spring, Mybatis, JPA Toplink, Thymeleaf, Spring Data Rest, Quarkus, Micronaut, JDBC, Struts, JMS, AWS, and XML).
- Strong expertise and experience in design and development of the Microservices architecture using Restful-web services and Apache Kafka message brokers.
- Used spring config server for centralized configuration and Splunk for centralized logging. Used Jenkins for Microservices deployment.
- Created Gradle builds to build and deploy Spring Boot Microservices to internal enterprise Docker registry.
- Used Microservices with Spring Boot based services interacting through Apache Kafka.
- Experience in writing Kafka producers to stream the data from external rest APIs to Kafka topics.
- Used Dependency Injection with Singleton pattern for Application-level Services.
- Implemented fail safe, circuit breaker patterns in Spring Boot applications using Hystrix, configured Swagger-UI to register Microservices with Eureka server, React.JS monitored health check from Spring Boot admin console and Spring Ribbon for load balancing.
- Contributes to policies, standards procedures, and documentation of process improvements to continually streamline the Identity and Access Management.
- Demonstrated understanding of AWS data migration tools and technologies including Storage Gateway, database Migration and Import-Export services.
- Experience in Integration of Amazon Web Services AWS with other applications infrastructure.
- Used Hibernate concepts such as Lazy loading, React.JS, Dirty checking, React.JS Locking, and Transactions.
- Used Maven for building and deploying the application in App servers. Experience in creating Docker Containers leveraging existing Linux Containers and AMI's and creating Docker Containers from scratch.
- Worked on Scala for implementing spark machine learning libraries and spark streaming.
- Used Drools engine for validating business rules before executing in runtime.
- Executed Load Runner/JMeter scenarios based on complex business scenarios with different monitors for Stress testing, Scalability testing, Failover testing, and Load testing.
- Used Jenkins for code deployment using plug-in to deploy to AWS. Experience with DevOps methodologies, Implementing CI/CD Pipelines using tool sets like GIT, Jenkins, and Chef
- Changing the AWS infrastructure Elastic Beanstalk to docker with Kubernetes.
- Building/maintaining docker container clusters managed by Kubernetes Linux, bash, git, docker on GCP.
- Created/managed Mongo DB/NoSQL collections. Developed Server-side automation using Node.js scripting and connecting different types of SQL and NoSQL databases.
- Experience in creating Cluster Health Reporting and forecasting for Mark logic Distributed NoSQL database.
- Integrated GitLab into Jenkins to automate code checkout process and Maven as build tool.
- Performed GitHub/GitHub-Desktop bash and Terminal commands to clone, fetch, merge and push the code and created pull requests to consume the changes.

Environment: Golang, J2EE, Spring MVC, XML, AJAX, Angular 8, Node JS, AWS, JavaScript, Hibernate, JIRA, Spring Boot 1.4x, Web services, Microservices, AWS, ELK stack, Spark, Maven, HTML5, CSS4, Docker, Tomcat, Git, Jenkins, Selenium, STS, AEM6.1, Quarkus.

Devathon - Crypsis Innovations   **May 2018 to August 2019**
Role: Associate Software Developer
Responsibilities:

- Involved in designing and implementing the application using various Java and J2EE Design patterns design patterns such as Singleton, Business Delegate, MVC and Data Access Object (DAO).
- Developed UI using spring view component, JSP, React. JS, HTML, CSS, and JavaScript.
- Utilized Spring MVC annotations and XML configuration for Dependency Injection.
- Implemented Persistence layer using Hibernate to interact with the MySQL database.
- Involved in writing all formats of database quires like SQL, HQL in DAO layer.
- Configured Hibernate second level cache using EH-Cache to reduce the number of hits to the table data.
- UsedLOG4J2 to capture the log that includes runtime exceptions.
- Developed REST web services using spring and hibernate.
- Used JMS Template to publish messages to queues and Message Driven Bean (MDB) to subscribe from JMS.
- Extensively used Java Multi-Threading concept for downloading files.

Environment: Core Java, J2EE, JSP, EJB, OOAD, Oracle, Cassandra, HTML, EJB3, AJAX, JMS, XML, Design Patterns, JENKINS, ANT, Rationale Rose, IBM RAD IDE, WebLogic Application Server, Hibernate, Log4J2, SVN, TOAD, JUNIT, UML.