Anil Bethapudi

https://www.linkedin.com/in/anil-b-517231239 email : anilbethapudi0077@gmail.com
Phone: +1(551)-697-0807

OBJECTIVE:

A challenging and innovative career in a forward-thinking company where I can share and improve my expertise and advance professionally by giving it my best. I am highly knowledgeable in **Java/ J2EE** technologies and thrive in all phases of the **software development lifecycle**, including design, analysis, coding,testing, and deployment. I bring extensive expertise in a diverse array of web technologies, including **HTML5, CSS3**, and J**avaScript, typescript,** along with proficiency in frameworks such as **AngularJS, NodeJS, ReactJS, Vue.js,** and **.Net.** My knowledge extends to the **Spring Framework and Java 8** features, complemented by familiarity with various open-source frameworks and testing tools, including **JUnit, Mockito, TestNG,** and **Cucumber.** I excel in designing and implementing **MongoDB clusters, managing NoSQL** and **SQL databases,** and deploying fault tolerant systems on leading cloud platforms like **AWS** and **Azure**. My skills include the establishment of robust **CI/CD** pipelines using **Jenkins, GitHub** Actions, and **Azure DevOps**, as well as adeptness in containerizing applications with Docker. With strong project management capabilities utilizing tools like **Jira** and **Agile** methodologies, I am dedicated to delivering high-quality software solutions. Proficient in **RESTful API** design, microservices architecture, and frontend frameworks like **Bootstrap**, I consistently implement security best practices in software development. Additionally, my expertise extends to version control systems, encompassing **GitHub** Actions and **SVN,** reflecting my ability to contribute effectively to software development projects through collaborative and version controlled workflows.

EDUCATIONAL DETAILS:

Masters in Computer Science. Relevant Coursework: Fundamentals of DB, Computer Networks, Software Engineer, Operating System Design, Computer Algorithms, Usability Testing, Machine Learning, Data Visualization.

Bachelors in Computer Science and Engineering. Relevant Coursework: Object Oriented Programming Concepts, Data Structures and Algorithms, Database System Design, C, C++ and Java Programming Languages, Software Engineering, Computer Networks, Artificial Intelligence, Data Mining

TECHNICAL SKILLS:

Programming Languages: Core Java, Java 1.x to 1.8, Python, Javascript, C, C++, .net
Cloud Services: AWS, Azure
Web Technologies, Frameworks and Libraries :HTML5, CSS3, Bootstrap, JavaScript, Spring, Typescript, Angular, React, Nodejs
Databases: SQL, MySQL, NoSQL, MongoDB, Oracle, Cassandra and PostgreSQL.
Tools: Visual Studio, Eclipse, Powerpoint, Word, JIRA, CI/CD, Maven and Gradle
Testing: Junit, Mockito, TestNG and Cucumber

Messaging Stream: Kafka
Version Control Tools :GIT.

PROFESSIONAL EXPERIENCE:
Client: Premier Health Care, Michigan . June 2024 – Present Role: Software Engineer
Responsibilities:
• Implemented Java 11 to use asynchronous HTTP client, var keyword for lambda parameters, improvise garbage collector and to access control in nest based.
• Implemented multi-threading and concurrency, Exception handling and design pattern concepts in Java 11.
• Implemented Java 8 features, such as lambda expressions, the Stream API, and functional interfaces.
• Designed dynamic and cross-browser compatible pages using HTML, CSS, JavaScript, React.
• Proficient in state management within React applications, utilizing state hooks and context API for efficient data handling.
• Implemented Flux or Redux patterns when necessary for managing complex application state.
• Collaborated with UI/UX designers to implement visually appealing and intuitive user interfaces.
• Developed RESTful APIs with Spring Boot, utilizing IoC and Dependency Injection for modular design.
• I leveraged NodeJS to construct web applications featuring a client-server architecture, facilitating bidirectional communication and data exchange between both ends.
• Moreover, I actively monitored and enhanced application security and performance using Spark, harnessing advanced analytics and real-time insights to drive ongoing improvements within .NET environments.
• Utilized MongoDB to implement database interactions, performing CRUD operations and complex queries to store and retrieve data.
• Designed and implemented Splunk alerts and triggers to proactively monitor system health, security events, and operational anomalies.
• Integrated Hibernate with the Spring Framework, leveraging the benefits of both technologies to create robust and modular enterprise applications.
• Deployed Spring Boot-based Microservices in Docker containers and Amazon EC2 instances with Jenkins and developed Microservices using Spring MVC, Spring Boot, and Spring Cloud to ensure robust functionality, modularity, and optimized scalability.
• Used Maven for project management and build automation and Continuous Integration is done using Jenkins.
• Applied OOPs concepts such as encapsulation, inheritance, and polymorphism to create robust • Applied OOPs concepts such as encapsulation, inheritance, and polymorphism to create robust and modular code.
• Designed Microservices architecture with Eureka for service registration and discovery.
• Developing and maintaining Kafka producers and consumers to interact with the Apache Kafka cluster by integrating other systems and tools such as databases, message brokers, and data storage systems.

• Integrated AWS Lambda functions with other AWS services, such as Amazon S3, DynamoDB, or API Gateway, to create scalable and resilient serverless applications.
• Utilized AWS SDKs and APIs to interact with various AWS services within the Lambda functions.
• Used AWS SDK for connection to Amazon S3 buckets as it is used as the object storage service to store and retrieve the media files related to the application.
• Deployment (CI/CD), automating the build, testing, and deployment processes.
• Used Git as version control to maintain versions of the application.
• Utilized Agile Methodologies to manage the full lifecycle development of the project.
Environment: Java8/11, Spring boot, React, HTML, CSS, JavaScript, typescript, Agile, Git, Kafka, CI/ CD, MongoDB, Restful APIs, Jenkins, Hibernate, Docker, Kubernetes, AWS, Junit, Mockito, Microservices.

Client: Urpan Technology Inc Hyderabad, India 2018 (May)- 2022 (July)
Role: Full Stack Developer
Responsibilities:
• Involved in all phases of the Software development life cycle (SDLC) using Agile methodology with daily scrums and weekly sprint.
• Leveraged core JAVA concepts like Collections Framework, Multi-Threading, Exception handling for developing application modules. modules.
• Utilized lambda expressions introduced in Java 8 to write concise and expressive code, enhancing functional programming capabilities.
• Extensively used the latest Java8 features like Functional Interfaces, Stream API, Time API, Transaction Management, Exception Handling, Collection API, and Lambda Expressions.
• Developed Single Page Applications (SPA) using HTML5, CSS3, JavaScript, Angular7, and Bootstrap in the front end.
• Designed REST-based Microservices using Spring Boot.
• Moreover, utilized an embedded Tomcat server for deployment, optimizing resource utilization in a microservices architecture.
• Implemented Dependency Injection (DI) patterns to achieve loose coupling and enhance testability.
• Utilized services and dependency injection for efficient communication between components.
• Implemented Ng Modules in Angular to encapsulate related components, services, and directives.
• Integrated Java applications with databases, particularly Oracle, through JDBC frameworks like Hibernate, optimizing data retrieval, storage, and manipulation processes.
• Applied Python for data analysis, utilizing libraries such as Pandas and NumPy, and implemented machine learning models using scikit-learn.
• Experienced in using XML schema definitions (XSD) to define the structure and constraints of XML documents.
• Developed Mockito and JUnit test cases to improve code coverage.
• Preparing builds, deploy and Co-ordinate with the release management team to ensure that the proper process is followed during the release.

• Integrated Docker containers with container orchestration platforms like Kubernetes, streamlining the deployment and the deployment and management of containerized applications.
• Implemented and maintained Jenkins CI pipelines to automate the building, testing, and deployment of applications, reducing manual errors and ensuring consistent code quality.
• Microservices have been built using Spring Boot, Spring Cloud and deploying to AWS Cloud.
• Used the AWS Services platform to upload data into AWS S3 buckets and create EC2 instances.
• Employed effective debugging and troubleshooting techniques to identify and resolve issues across the full-stack, ensuring the reliability and performance of Java applications.
• Maintained high code quality standards and documentation, ensuring clarity, maintainability, and ease of collaboration for other developers.
• Used Git as version control to maintain versions of the application. Environment: Java, Spring boot, Angular, HTML, CSS, JavaScript, Bootstrap, Hibernate, Jenkins, CI/ CD tools, Docker, Kubernetes, JDBC, Git, Oracle, AWS, Junit, Mockito, Microservices.

Client: Urpan Technology Hyderabad, India . Jan 2017 – Jan 2018
Role: Associate Full Stack Developer (Intern)

Responsibilities:
• Acquired hands-on experience in Java Full Stack development, gaining proficiency in technologies like Java, Angular, React, Spring Boot, MySQL and AWS.
• Assisted in the development and deployment of applications, contributing to both front-end and back-end functionalities under the guidance of senior developers.
• Applied Java for server-side development, leveraging Spring Boot to create robust and scalable RESTful APIs.
• Implemented CRUD operations, authentication, and authorization mechanisms using Java and Spring frameworks.
• Collaborated on projects involving the implementation of front-end interfaces using Angular and React and backend functionalities using Spring Boot.
• Contributed to coding, debugging, and testing phases, learning best practices in software development life cycles.
• Implemented comprehensive integration tests for Hibernate-based data access layers, ensuring the correctness of database interactions and detecting any issues early in the development cycle.
• Managed databases using technologies like MySQL and PostgreSQL, integrating them with the application for data storage and retrieval.
• Integrated Jenkins with containerization platforms like Kubernetes to automate the building and deployment of containerized applications.
• Assisted in identifying and addressing bugs, optimizing code snippets, and implementing fixes under supervision.
• Proficient in version control systems such as Git, ensuring collaborative development and tracking changes effectively within a team.

• Conducted unit testing using JUnit or other testing frameworks, ensuring code reliability and functionality.
• Gained foundational knowledge in leveraging AWS services for cloud-based solutions, exploring EC2 for scalable computing, S3 for object storage, and RDS for managed databases.
• Participated in deploying applications on AWS infrastructure, gaining insight into cloud-based application deployment and management.

Environment: Java, Spring boot, React, Angular, HTML, CSS, JavaScript, Bootstrap, Git, MongoDB, MySQL, PostgreSQL, Hibernate, Jenkins, AWS, Junit, Mockito, Microservices.

PROJECTS: Driver-Drowsiness Detection - Implemented a driver drowsiness detection system utilizing eye tracking sensors, Python, OpenCV, dlib, numpy, and front-end technologies (HTML, CSS, JavaScript, Bootstrap). AgroMart - Developed an empowering agricultural application using Java, Spring, Angular, HTML, CSS, Nodejs, and Bootstrap, enabling farmers to set prices, eliminate middlemen, and predict crops using recommendation systems based on user input.