Anudeep Billa

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PROFESSIONAL SUMMARY

- Versatile Software Developer with 4 years of experience in full-stack development, proficient in Java technologies and modern JavaScript & TypeScript frameworks like React delivering scalable and efficient software solutions.
- Proficient in Java Backend Development, adept at Spring Boot , Spring MVC , functional programming for building enterprise applications, web services like SOAP and REST , microservices architecture and integrating SQL and NoSQL databases
- Frontend experience with command over React and associated technologies for state management along with HTML5, CSS3
- Strong exposure to Data Structures and Algorithms and Design Principles
- Proven ability working with Cloud technologies, DevOps practices such as CI/CD
- Commitment to software quality and best practices, with a track record of utilizing TDD/BDD methodologies
- Award-winning Software Developer recognized for innovation and excellence in technical solutions

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, C, SQL
Web Development: Spring Boot, Spring, React.Js, Express.Js, Node.Js, HTML5, CSS3, XML, Postman, JSP, JSF
Databases: AWS S3, Amazon DynamoDB, Amazon RDS, Elasticsearch, PostgreSQL, MySQL, MongoDB
Cloud Services: AWS EC2 , AWS Lambda, AWS Elastic Beanstalk, AWS CloudWatch, AWS EKS, Google Cloud Platform
Miscellaneous: Docker, Kubernetes, D3.js, ELK Stack, Sonar, Linux, Maven, Apache Kafka, JIRA, Linux, JUnit, Mockito
Certifications: AWS Certified Developer Associate, Java Backend Development , GraphQL API with Java Spring Boot

WORK EXPERIENCE

Hanesbrands, Application Developer Intern   06/2023 – 08/2023
Tech Stack : Java , JSP, JavaScript, jQuery, Spring Boot, Flex PLM
- Developed OData-compliant **REST APIs** for Flex PLM integration. These APIs allow for the exposure of data to Flex PLM for seamless integration, increasing data accuracy by **30%** and reducing manual data entry by **90%**.
- Developed a sophisticated product attribute mapping feature for the Digital Assets management platform using Spring Boot and engineered **REST APIs** to improve categorization and display of 'champion' hoodie, Integrated with **Jenkins** for **CI/CD**

University of North Carolina at Charlotte, Graduate Assistant   01/2023 – 12/2023
Tech Stack : Java 17 , Spring Boot, ReactJs , PostgreSQL, Docker, OOPS
- Designed and implemented a full stack web application using **Spring Boot**, **ReactJs** to consolidate **500** plus academic project references and Git repositories, aiming to enhance student collaboration
- Engineered search and project display modules using **ReactJs**, incorporating **custom hooks** and lazy loading
- provided academic support for **100+** students for the course Introduction to Computer Science, **Java** Programming and **OOPS**

ITC Infotech, Software Engineer   05/2021 - 06/2022
Tech Stack : Java, Spring Boot, MySQL, Spring MVC, Spring Cloud , Spring Batch, Redis, Apache Kafka, Docker, AWS
- Modernized home loan system for a banking client, enhancing customer experience and efficiency. The transformative measures introduced cut down the loan processing time from **5 days to 12 hours,** resulting in highest mortgage disbursal
- Engineered a microservice architecture using Spring Boot, focusing on Interest rate, Aadhar KYC verification and Credit Assessment modules. facilitated microservice communication using Spring Cloud Stream and **Apache Kafka**
- Developed a robust data infrastructure using **Amazon RDS** with **MySQL** and **Spring Data JPA**. Leveraged **Spring Batch** for efficient loan document processing Implemented **Redis** Caching at the service layer, optimizing data retrieval speeds by **45%**
- Upgraded the backend system by implementing **Spring Security** and integrating ADFS for authentication, **OAuth** for secure authorization in microservices architecture, enhancing the security and compliance of credit assessment report access
- Collaborated with the **DevOps** team to write **Docker** files for application containerization and contributed to the orchestration of deployments on **AWS EKS** using **Kubernetes**, ensuring a consistent **99.9%** uptime
- Emphasized best practices in code quality, adept at service-oriented architecture and **functional programming**

Tata Technologies, Java Developer   07/2019 - 05/2021
Tech Stack : Java, Spring Boot, React, Jenkins, JUnit, Mockito , Jest, TDD/BDD, AWS RDS, AWS CloudWatch, ELK Stack, AWS S3
- Developed a data migration utility using **Java** and **Spring Boot**, that methodically extracted, transformed over **a million** product data records from a legacy system to Windchill PLM format, achieving a **99.8%** accuracy
- Implemented **React.Js** based frontend components enabling users to customize and filter product data and integrated the application with backend APIs, utilized **Spring Data JPA** and Criteria API for dynamic data retrieval
- Engineered a production-grade **REST API** in Java Spring Boot to automate index creation on the database which reduced index creation time by **74%**
- Attained **95%** test coverage by adding Unit Tests to **20+** backend classes and **80+** methods using JUnit and Mockito
- Implemented logging solutions using **ELK Stack**, providing insights into the system health, capturing over **5000** logs daily

Electronics Corporation of India, Software Developer Intern 05/2018 - 08/2018

Tech Stack : Java, Android, Firebase, Espresso

- Contributed to the development of a mobile application named 'Kisan Seva', integrating Firebase Realtime Database for dynamic data management, facilitating instantaneous updates and data synchronization across devices, and employed **Firebase Authentication** to bolster user account security
- Integrated a Google Maps API allowing the mobile application to display location of nearby sellers
- Applied **Android's Espresso** testing frameworks to perform rigorous automated UI and unit tests, ensuring high-quality application standards and robust functionality

PROJECT EXPERIENCE

Comprehensive E-Wallet Microservices Platform

- Engineered a scalable e-wallet platform utilizing Java and Spring Boot, segregating core functionalities into microservices for User Profiles, Financial Transactions, Wallet Balances, and Real-Time Notifications, adhering to RESTful standards
- Implemented Apache Kafka for efficient message queuing and stream processing across services, coupled with Redis caching to expedite transactional data access and improve system responsiveness under high-load scenarios
- Fortified application security by integrating Spring Security and OAuth2 frameworks for stringent authentication and authorization, and orchestrated service deployment using Docker containers to streamline development, testing, and production workflows

Scalable Event Booking Web Application on AWS

- Developed a full stack web application for events booking hosting with MERN Stack and Integrated Stripe payment gateway
- Built a custom AMI for a web application using Packer, with all necessary dependencies and systemd service file, resulting in **99%** automated startup of EC2 instances and saving **90%** of manual work with user-data scripts
- Deployed production-ready infrastructure including auto-scaling groups, load balancers, RDS instances, and CloudWatch alarms across multiple availability zones, succeeding with **99.99%** uptime and seamless horizontal scaling during peak traffic
- Established GitHub Actions to trigger merge requests and motorized workflows with checks of the Unit tests

EDUCATION

University of North Carolina at Charlotte 08/2022 - 12/2023

Master of Science in Computer Science. **GPA : 4.0/4.0**

Courses : Data Structures & Algorithms, Software System Design Implementation, Database Systems, Intelligent Systems

Vellore Institute of Technology at Vellore 08/2015 - 05/2019

Bachelor of Technology in Computer Science **GPA : 3.3/4.0**

Courses : Object Oriented Design (OOP) , Data Structures & Algorithms, Computer Networks, Web Development

ACHEIVEMENTS

- Secured the 'Most innovative Hack ' award from Cisco in HackNC 2023 , stood 2nd overall among 1300 participants
- Received 'Pat on the back' Certification from CHRO at ITC infotech for my contributions in the project
- Honored with 'Project Team of the Quarter' award for my debutant project at Tata Technologies