

# Anudeep Billa

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## EDUCATION

<b>University of North Carolina at Charlotte</b>	08/2022 - 12/2023
Master of Science in Computer Science.	<b>GPA : 4.0/4.0</b>
<b>Vellore Institute of Technology at Vellore</b>	08/2015 - 05/2019
Bachelor of Technology in Computer Science	<b>GPA : 3.2/4.0</b>

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, JavaScript, TypeScript, C, SQL

**Web Development:** Spring Boot, Spring, React.js, Express.js, Node.js, HTML5, CSS3, XML, Postman, JSP, JSF, Angular

**Databases:** AWS S3, Amazon DynamoDB, Amazon RDS, Elasticsearch, PostgreSQL, MySQL, MongoDB, Neo4J

**Cloud Services:** AWS EC2 , AWS Lambda, AWS Elastic Beanstalk, AWS CloudWatch, AWS EKS

**Miscellaneous:** Docker, Kubernetes, D3.js, ELK Stack, Git, Bit Bucket ,Linux, Maven, Apache Kafka

## WORK EXPERIENCE

<b>Hanesbrands, Application Developer Intern</b>	06/2023 – 08/2023
<ul style="list-style-type: none"><li>Optimized <b>40</b> plus enterprise level customizations in Flex PLM encompassing REST API integrations and SQL logic refinement. Acted as primary conduit between offshore development team and our product division</li><li>Engineered a product attribute mapping feature for the Nuxeo application using Spring Boot Crafted RESTful API's enhancing the categorization and display of 'Champion' hoodie listings</li></ul>	
<b>University of North Carolina at Charlotte, Graduate Assistant</b>	01/2023 – Present
<ul style="list-style-type: none"><li>Designing a centralized full-stack platform with React and Spring Boot to consolidate <b>500</b> plus academic project references and Git repositories, aiming to enhance student collaboration</li><li>Enhanced ML workflows by converting PyTorch Models to Core ML and ONNX format, utilized Open-sourced projects like Open Pose, Pose2Sim and established a pipeline for real-time 3D pose tracking of baseball players</li></ul>	
<b>ITC Infotech, Associate IT Consultant – Software Engineer I</b>	05/2021 - 06/2022
<ul style="list-style-type: none"><li>Modernized a bank's home loan system with the aim of enhancing customer experience and efficiency. The transformative measures introduced cut down the loan processing time from <b>5 days to 12 hours</b>, resulting in highest mortgage disbursal</li><li>Engineered a microservice architecture using Spring Boot, focusing on Interest rate, Aadhar KYC verification and Credit Assessment modules. Implemented Redis Caching at the service layer, optimizing data retrieval speeds by <b>45%</b></li><li>Developed a robust data infrastructure using Amazon RDS with MySQL and Spring Data JPA. Leveraged Amazon S3 for loan document storage and facilitated efficient microservice communication using Spring Cloud Stream and Apache Kafka</li><li>Enhanced the backend application by integrating Spring Security, providing a robust multi-factor authentication, focused on optimizing server performance to efficiently handle concurrency and non-blocking operations</li><li>Collaborated with the DevOps team to write Docker files for application containerization, integrating Jenkins for CI/CD. Contributed to the orchestration of deployments on AWS EKS using Kubernetes, ensuring a consistent <b>99.9%</b> uptime</li><li>Emphasized best practices in code quality, implemented Aspect-Oriented Programming</li></ul>	
<b>Tata Technologies, Java Developer</b>	07/2019 - 05/2021
<ul style="list-style-type: none"><li>Developed a Spring Boot service that methodically extracted, transformed over <b>a million</b> records from a legacy system to Windchill PLM format, achieving a <b>99.8%</b> accuracy</li><li>Integrated a React frontend with RESTful APIs allowing users to select more than <b>25</b> distinct data attributes for extraction</li><li>Established a CI/CD pipeline with Jenkins, facilitating automated deployments for the middleware system, with automated tests using JUnit and Jest achieving a <b>95%</b> pass rate</li><li>Managed AWS infrastructure for the middleware system with AWS CloudFormation, set up Amazon RDS for Oracle database operations and S3 for temporary storage before data migration to Windchill</li><li>Implemented monitoring solutions using AWS CloudWatch and Logstash, providing real-time insights into the middleware's health, capturing over <b>5000</b> logs daily</li></ul>	

## PROJECT EXPERIENCE

### Scalable Event Booking Web Application on AWS

- Developed full stack event booking web application using Node.js and React.js, stored user data with AWS RDS and event images on S3. Deployed using Terraform, Packer AMIs, Load Balancer, and integrated GitHub actions

### Comprehensive E-Wallet Microservices Platform

- Developed an e-wallet platform with User, Transaction, Wallet, and Notification services. Integrated Apache Kafka, fortified with Spring Security and OAuth, streamlined notifications, and initiated containerization with Docker

## ACHEIVEMENTS

- AWS Certified Developer Associate
- Mentored two interns at ITC infotech, Received 'Pat on the Back' Certification from CHRO for my contributions
- Awarded 'Project Team of the Quarter' at Tata Technologies for exemplary performance in debut corporate project