

Dinesh Narapareddygari

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EDUCATION

University of Louisiana at Lafayette

Master of Science in Computer Science

January 2023 – May 2024

Lafayette, LA

Sathyabama Institute of Science and Technology

Bachelor of Engineering in Computer Science and Engineering

June 2016 – May 2020

Chennai, India

EXPERIENCE

University of Louisiana at Lafayette

Graduate Teaching Assistant

August 2023 – Present

Lafayette, LA

- Developed and Managed a Spring Boot REST API using JDBC to perform CRUD operations on a sample MySQL Database and retrieve data in XML and JSON formats.
- Conducted interactive sessions with students on AWS Lambda, AWS SageMaker and related services.
- Hosted my personal website on Amazon S3 and Included bucket policy for public access.

HCL Technologies

Software Engineer

August 2020 – December 2022

Chennai, India

- Collaborated within an Agile Development Lifecycle, actively engaging in code reviews to ensure high-quality code delivery.
- Implemented JUnit tests using Power Mockito and increased Test coverage upto 80% for Crypto Services.
- Monitored the health and application performance logs of critical devices in Kubernetes containers using DataDog and Elasticsearch, resulting in a 15% reduction in incident response time.
- Streamlined the GitLab CI/CD pipeline for an Insurance banking enterprise software, integrating Qtest, Slack, and Postman, leading to a 50% reduction in deployment time and enhanced team communication.
- Discovered and rectified 15 critical bugs and elevated performance by 20% for the Remote Crypto Service and Tokenization services.
- Spearheaded the generation of Swagger Docs for SOAP web services, achieving a 30% reduction in documentation time and boosting developer productivity

Electronics Corporation of India Limited

Summer Engineering Intern

June 2018

Hyderabad, India

- Created a Java and Spring Boot-based Student Information System Web Application with HTML. Implemented an interactive dashboard, resulting in a 20% reduction in administrative workload and improved access to student information and key metrics.

PROJECTS

RefineMind | *React, NPM, Node.JS, JSX, MongoDB, Axios, JavaScript, React Native*

August 2023 – Present

- Developed a Full Stack Web application for Dementia patients using React, Node.js, and Express.JS, integrating Axios API web services for data management. Implemented features like family and friends forms, a photo book, medication reminders, and daily schedule alerts for enhanced user experience. Also created an Android and iOS mobile application using React Native with Expo, replicating functionalities for both platforms with improved user experience.

Job Application | *REST API, Spring MVC, Spring AOP, Hibernate, JPA, JSP*

January 2023 – May 2023

- Engineered a scalable job API utilizing MVC Architecture, Maven, and PostgreSQL database integrated with Hibernate and JPA.
- Implemented microservices for authentication, CRUD operations, logging using Spring AOP and Spring Security.

TECHNICAL SKILLS

Languages: Java, Python, TypeScript, JavaScript, C++

Frameworks: Spring Boot, JPA, J2EE, Bootstrap CSS, Material-UI, SOAP, Mockito

Developer Tools and Version Control: Jupyter, Git, VS Code, Visual Studio, IntelliJ, Eclipse, Jenkins

Frontend: Angular, React, Axios, Mongoose, FetchAPI, AJAX, HTML, CSS

Backend: Spring, Apache Maven, Node.js, JSP, JPA, Hibernate, Express.js, JDBC, JBoss, PHP

Databases and Cloud Technologies: MongoDB, PL/SQL, PostgreSQL, Oracle, NoSQL, AWS, Azure

Project Management and DevOps: JIRA, Slack, Agile Methodology, Test Driven Development, Gradle, Docker