

Adithya Suresh Babu

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EDUCATION

University of Central Florida, MS in Computer Science

Aug 2022 – May 2024

Anna University, Bachelor's in Computer Science and Engineering

Jul 2016 - Sep 2020

TECHNICAL SKILLS

Programming Languages: C/C++, Java J2EE, Python

Front-End Technologies: JavaScript (ES6), TypeScript, HTML5, CSS, React

Back-End Technologies: Spring Boot, ExpressJs, NodeJS, Firebase, Spring Microservices

Databases: MySQL, MongoDB

Cloud Technologies: AWS (S3, EC2, Lambda, CloudFront, CloudFormation, DynamoDB, Route 53)

Tools & Software: Git, Github, VSCode, Google Colab, RestAPI's, IntelliJ IDE, Splunk, Dynatrace

Machine Learning: NumPy, Pandas, Scikit Learn, Matplotlib, TensorFlow

Methodology: SDLC, Agile, Waterfall

Certificates: AWS Certified Developer - Associate, AWS Certified Cloud Practitioner

WORK EXPERIENCE

Associate Software Developer

Nov 2020 - Jun 2022

Tata Consultancy Services

Chennai, IN

- Implemented **REST API** consumption in **React** using component-based architecture, ensuring efficient development and integration.
- Employed **Spring Data JPA** to seamlessly connect **Spring** applications with **relational databases (MySQL)**, facilitating data manipulation for customer data.
- Developed **RESTful web services** in **Spring Boot** to build complimentary 5G upgrades, ensuring **JSON** data transmission and conducting performance evaluations with **JUnit** which increased revenue by 10%.
- Utilized **Git** in production environments for version control, enabling efficient collaboration, code management, and streamlined deployment processes.
- Implemented **Splunk and Dynatrace** for monitoring system performance, analyzing logs, and identifying potential issues like SIM card issuance which could have led to a 20% revenue loss.
- Contributed to **agile** processes, boosting productivity by 10% and accelerating project completion by 25%.
- Recognized as the "**Best Crisis Solver on the Spot**" for effective problem-solving.

Front-end Developer Intern

Jan 2019 - Feb 2020

Cognizant (Center of Excellence)

Chennai, IN

- Developed a responsive Dashboard website with **React** to highlight data analysis from the **Database** incorporating **Auth0** for employee sign-in, yielding a 30% enhancement in user interaction and experience.
- Collaborated with backend developers to build dashboard web pages with **React, MySQL, and REST APIs**, leading to a **15%** increase in website leads.
- Implemented **waterfall** methodology, resulting in a 25% increase in task success, and conducted **Cypress** regression testing on the **React** front end for thorough quality assurance.

PROJECTS

Workout Tracker: Employs **MySQL, React, Express JS, and NodeJs** for user authentication and data management, accommodating over 1000 users. It offers features to seamlessly add and remove workouts from a comprehensive database of 100+ GYM exercises, including detailed instructions for user convenience.

Luxe Clothing's: React and Spring Boot-driven E-Commerce platform, powered by **MongoDB** seamlessly manages user accounts, payment information, and product catalog, supporting diverse payment options and intuitive browsing across sections for men, women, and kids.

Instagram Clone (FakeGram): Built with **React, and Firebase**, allowing users to upload and share images, follow other users, and interact with posts, leveraging **Firebase** for database storage and **React** for dynamic front-end interfaces.

Website Portfolio: Designed and developed an interactive portfolio website from scratch utilizing **React.js and CSS** and deployed in **AWS** using **S3, CloudFront, Lambda, and Route 53**.

Machine Learning Projects: Created a Music Recommendation Model using a Spotify playlist using **CNN** and **Semantic Intensity Analyzer**.