

# BALAJI JUPALLI

(973) 867-8224 | jupallibalaji1206@gmail.com | <http://linkedin.com/in/balaji-jupalli-1280112a7>

## EDUCATION

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### Master of Science in Computer Science

August 2022 – April 2024

Wright State University, Dayton, Ohio GPA 3.5

### Bachelors in Electronics and Communication and Engineering

August 2018 – June 2022

Reva University, Bangalore, India GPA 9.4

## TECHNICAL SKILLS

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- **Frontend Technologies:** HTML, CSS, JavaScript, React JS
  - **Backend Technologies and Frameworks:** J2SE, J2EE, Spring, Spring Boot, Servlets, RESTful APIs, JSP, MYSQL, Postman, Git/GitHub.
  - **Tools and Platforms:** JUnit Testing, AWS (Amazon Web Services)

## PROFESSIONAL EXPERIENCE

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### Java Developer Intern, Datics Inc, North Carolina, USA

January 2024 – April 2024

- Engineered full-stack web applications using Java and React Js implementing Spring Boot for backend services, microservices for modular architecture, and MySQL for robust data storage.
- Led requirement analysis and design sessions to ensure alignment with project objectives and client specifications, resulting in tailored and effective solutions.
- Executed comprehensive debugging processes to identify and resolve critical issues swiftly, ensuring the stability and success of the project.
- Optimized deployment workflows by leveraging Git for version control, Bitbucket for repository management, and Jenkins for continuous integration and delivery, which enhanced operational efficiency.
- Implemented JUnit testing frameworks to validate code quality, ensuring reliable and error-free software performance.
- Orchestrated CI/CD pipeline deployments to automate build and deployment processes, streamlining development cycles and reducing time-to-market.
- Utilized AWS services to deploy and scale application infrastructure, ensuring resilience and high availability in a cloud environment.

### Software Developer Intern, Wipro, Bangalore, India

January 2022 – July 2022

- Developed and optimized multiple cross-browser compatible web interfaces, ensuring seamless user experiences across diverse platforms, aligning with web standards and browser rendering behaviors.
- Seamlessly integrated webpages with backend APIs, demonstrating expertise in client-side MVC frameworks like ReactJS. Proactively resolved issues to maintain optimal functionality and performance, adhering to Agile methodologies.

- Engaged in the complete software development lifecycle from analysis to deployment, delivering resilient solutions that include modular front-end components and adhere to web standards like HTML5, CSS3, and JavaScript.
- Upheld code quality by meticulously composing and executing unit test cases, ensuring consistent and dependable software performance. Effectively communicated technical concepts and collaborated with teams to achieve project goals.

## ACADEMIC PROJECTS

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### FOOD MANAGEMENT SYSTEM

- Created a user-friendly web application for food waste management using Java, JavaScript, React.js, HTML, and CSS, with features such as inventory tracking, expiration date notifications, and donation coordination. Utilized Node.js and Express.js for backend development to handle server-side operations and API management. Implemented MySQL for efficient data storage and retrieval, ensuring robust backend support for the application. Worked with stakeholders to promote sustainability efforts and raise awareness about the environmental impact of food waste, integrating educational resources within the app.

### TIMESHEET APPLICATION

- Developed a time sheet application for a small business using Spring Data JPA, incorporating robust security measures, REST APIs for seamless communication, and Swagger for comprehensive documentation. Leveraged modern frontend technologies to create an intuitive, user-friendly interface. The project involved user authentication, CRUD operations, and error handling, utilizing MySQL for data storage. Employed Git for version control to enable smooth collaboration and deployment.

### TRAVEL PLANNER APPLICATION

- Developed a Travel Planner application utilizing Spring Boot, Spring Data JPA, React, Redux, Thymeleaf, and Node.js, integrating Weather and Google Place APIs. Led the creation of an intuitive interface for efficient trip planning, featuring dynamic itineraries, customizable routes, and real-time weather updates. Collaborated on backend functionalities including user authentication, CRUD operations, and error handling, leveraging MySQL for data storage. Documented the project with Swagger, ensuring clear API documentation, and utilized Git for version control, enabling seamless collaboration and deployment.

## ACTIVITIES

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- Completed Udemy certification in **Java Programming Masterclass for Software Developers**
- Currently enrolled in the Udemy course "AWS Cloud Practitioner CLF-C02 Preparation: Full Practice Exam + Explanations"