# Bharath Sai S

**Java Full Stack Developer**  
📧 bharathdattasai1122@gmail.com| 📞 +1 (940) 843-0968

🔗 <https://www.linkedin.com/in/bharath-datta-sai-singanamala/>

## PROFESSIONAL SUMMARY

Highly motivated Software Development Engineer with 2.7 years of experience designing scalable, distributed applications using Java, Spring Boot, React.js, and AWS. Demonstrated ability to solve business-critical problems using modern cloud, data, and web technologies. Experienced in building and deploying RESTful microservices, implementing responsive web applications. Proficient in memory management, multithreading, and DevOps practices (Jenkins, GitHub Actions, Docker). Proven track record in working with cross-functional teams in agile environments, contributing to core architecture and backend engineering initiatives. Passionate about building technology that empowers users and enhances how people connect with stories and content.

## TECHNICAL SKILLS

* **Programming Languages:** Java, JavaScript, SQL
* **Frameworks & Libraries:** Spring Boot, Hibernate, React.js,
* **Web Technologies:** HTML5, CSS3, Bootstrap, JSON, jQuery, Responsive UI Development
* **APIs & Services:** RESTful Services, Microservices, JPA
* **Databases:** MySQL, Oracle
* **Testing:** JUnit, Mockito, Postman, Integration Testing (REST APIs)
* **Cloud & DevOps:** AWS (EC2, S3, Lambda, RDS), Git, Jenkins, GitHub Actions
* **Tools & IDEs:** Eclipse, IntelliJ IDEA, Visual Studio Code, Maven, JIRA
* **Development Methodologies:** Agile, Scrum
* **Computer Science Fundamentals**: Data Structures, Algorithms, Object-Oriented Programming, Concurrency, Multithreading, Memory Management

## PROFESSIONAL EXPERIENCE

**Client: British Telecom Group (BT Group)  
Java Full Stack Developer | Mar 2021 – Sep 2023**

* Collaborated with product and QA teams to streamline feature delivery cycles, reducing customer-reported defects by 20% post-deployment.
* Built 20+ reusable and responsive UI components with React.js and Redux, reducing page load time by 25% and improving user satisfaction through faster, seamless access to telecom features.
* Designed and developed 15+ scalable RESTful microservices using Spring Boot and Java, improving backend modularity and system throughput by 40%.
* Deployed and maintained backend services on Linux-based environments, utilizing shell scripting for automation and operational efficiency.
* Engineered asynchronous, event-driven systems using JMS, enabling real-time notification processing and increasing system responsiveness by 30%.
* Led the deployment of services on AWS (EC2, Lambda, RDS, S3) as part of a cloud migration initiative, resulting in improved uptime and scalability.
* Integrated secure authentication mechanisms using Spring Security, OAuth2, and JWT, achieving 100% compliance with internal security standards.
* Optimized complex SQL queries and refactored data models in MySQL and Oracle, cutting query execution times by 40% and boosting backend performance.
* Supported firmware integration for backend telemetry processing, simulating embedded communication layers within cloud services.
* Built robust CI/CD pipelines using Jenkins, Docker, and GitHub Actions, reducing manual deployment efforts by 30%, enabling faster release cycles.
* Achieved 90% unit test coverage using JUnit and Mockito, improving code quality and significantly reducing post-release defects.
* Collaborated with cross-functional teams in an Agile Scrum environment, contributing to sprint planning, backlog grooming, demos, and retrospectives.
* Mentored 2 junior developers on Spring Boot and CI/CD practices; conducted 5+ code reviews weekly to ensure maintainability and performance standards.

## ACADEMIC PROJECT

**Learning Management System (LMS)** – Web Application Development

**Tech Stack**: React.js, JavaScript, HTML5, CSS3

**Duration**: Jan 2024 – Apr 2024

* Built as part of the Web Application Development course to demonstrate front-end development skills using React.js.
* Developed a responsive LMS platform enabling users to view materials, submit assignments, and track progress.
* Designed reusable components and implemented client-side routing for a seamless SPA experience.
* Integrated with mock REST APIs to simulate dynamic data retrieval and improve user interactivity.

**Weather Dashboard App**

**Tech Stack**: React.js, OpenWeatherMap API, JavaScript, HTML5, CSS3

**Duration**: Sep 2023 – Dec 2023

* Developed a responsive single-page application to display real-time weather data using the OpenWeatherMap API.
* Built dynamic React components for location-based forecasts, temperature charts, and condition icons.
* Implemented state management with React hooks (useState, useEffect) to handle API data efficiently.
* Applied responsive design principles to ensure compatibility across desktop and mobile devices.

## EDUCATION

**University of North Texas, Denton, TX**

Master of Science in Information Technology, (Graduated May 2025)

University of North Texas, Denton, TX

GPA: 3.4/4.0

**Anna University, Tamil Nadu, India**

Bachelor of Engineering in Electronics and Communication (Aug 2016 – May 2020) GPA: 6.8/10