Leela Gopala Bharath Kumar Challagulla
Java Full Stack Developer
+1 (940) 268-5698 | **bharathchallagullaus@gmail.com** | **TX, USA** | **LinkedIn**

SUMMARY

Full Stack Developer with over 3 years of experience designing and delivering scalable, enterprise-grade applications using Java (8–17), Spring Boot, React.js, and Node.js. Expertise in building secure, cloud-native microservices architectures and responsive frontends for domains including healthcare, automotive, and public sector. Proficient in RESTful API development, FHIR integration, and role-based authentication using OAuth 2.0 and JWT. Experienced in optimizing PostgreSQL and MongoDB performance, automating CI/CD pipelines with Jenkins, GitHub Actions, and Docker, and deploying containerized solutions on AWS and Azure. Collaborative and Agile-driven, with a strong focus on clean code, unit testing, and high-impact delivery.

SKILLS

Languages & Frameworks: Java (8–17), Spring Boot, Node.js, Express.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, RESTful APIs, JWT
Frontend Technologies: React.js, Redux Toolkit, Angular, Bootstrap, Responsive UI, Component-Based Architecture, Lazy Loading
Backend & Integration: Microservices Architecture, Spring Security, OAuth 2.0, Kafka, FHIR API Integration, API Gateway
Databases: PostgreSQL, MongoDB, MySQL, SQL Server, Hibernate, Query Optimization, Indexing Strategies
DevOps & CI/CD: Docker, Jenkins, GitHub Actions, Kubernetes, Azure App Services, AWS EKS, Automated Deployment Pipelines
Testing & Quality Assurance: JUnit, Mockito, Cypress, Postman, Unit & Integration Testing, API Validation
Cloud & Containers: AWS (EC2, S3, EKS), Azure, Docker Containers, Cloud-Native Deployments
Tools & Methodologies: Git, JIRA, Agile/Scrum, Lucidchart, Draw.io, API Documentation, Version Control, Sprint Planning

EXPERIENCE

CitiusTech   TX, USA
Java Full Stack Developer   **January 2025 – Present**

- Architected scalable microservices architecture using Java 17, Spring Boot, Apache Kafka, and MongoDB, reducing healthcare data ingestion latency by 40% and increasing system throughput across a cloud-native analytics platform.
- Crafted dynamic, component-based UIs with React.js, Redux Toolkit, and TypeScript, enhancing user experience and reducing frontend load times by 30%, directly improving physician productivity on population health dashboards.
- Built and secured RESTful APIs with Spring Security, OAuth 2.0, and JWT, ensuring role-based access control and HIPAA compliance for over 50K+ daily active users within clinical and claims data applications.
- Integrated HL7 FHIR R4 APIs with provider-side EHR systems to support real-time clinical data interoperability, cutting down manual data entry by 25% and enabling faster care decision-making in acute workflows.
- Automated CI/CD workflows using Jenkins, Docker, and Kubernetes, reducing release cycle times by 50% and enabling fault-tolerant, zero-downtime deployments on AWS EKS across staging and production environments.
- Established robust unit, integration, and frontend test suites using JUnit, Mockito, and Cypress, increasing code coverage by 60% and reducing production bugs by 35%, leading to higher product reliability and stakeholder trust.

Infosys Limited   Hyderabad, India
Full Stack Developer (Digital Specialist Engineer)   **August 2021 – July 2023**

- Engineered scalable frontends using React.js and Angular 11 to build vehicle and dealership onboarding modules, incorporating lazy loading and code-splitting to reduce load time by 30% and enhance user experience for dealer agents across international markets.
- Developed backend microservices using Node.js and Express to manage vehicle profiles, ownership history, and digital documentation workflows, supporting 100K+ daily API transactions for real-time access across dealer and customer portals.
- Enhanced performance of PostgreSQL and MongoDB databases by optimizing search queries for registration records and implementing indexing on document metadata, increasing API throughput by 40% and reducing vehicle record fetch latency.
- Streamlined CI/CD workflows with GitHub Actions, Jenkins, and Docker, automating multi-environment deployments for frontend and backend modules, reducing manual effort by 80% and minimizing rollback issues.
- Implemented OAuth 2.0–based authentication and JWT with RBAC to secure sensitive vehicle ownership data and restrict dealer-specific access, aligning with enterprise-grade compliance standards.
- Led sprint-based Agile development across cross-functional teams to deliver modules for vehicle verification, digital signature tracking, and document validation, ensuring timely releases with minimal post-launch defects.
- Modernized legacy Node.js services by migrating to Dockerized Azure App Services, enabling better scaling of document uploads and cutting production downtime by 50% during versioned rollouts.

Trigyn Technologies   India
Java Full Stack Developer   **September 2020 – July 2021**

- Designed and implemented RESTful APIs using Java 11, Spring Boot, and Hibernate, enabling seamless integration between internal modules and reducing manual reconciliation efforts by 35% in a municipal finance application.
- Created interactive frontends with React.js and Bootstrap, streamlining case intake and citizen service workflows for government portals and increasing self-service usage by 40%.
- Refactored legacy JSP and Struts-based modules into modular Spring Boot microservices, improving maintainability and cutting deployment time by 60% across key administrative workflows.
- Optimized SQL Server stored procedures and queries, enhancing system performance and reducing report generation time from minutes to seconds for high-volume datasets.
- Enforced authentication and role-based authorization using Spring Security and JWT, securing user data access in accordance with Indian e-Governance security standards.
- Collaborated in Agile sprints to deliver iterative feature releases, integrating JIRA, Postman, and Git to ensure traceability, version control, and rapid feedback cycles across development and QA teams.

EDUCATION

University of North Texas,	Denton, TX
Master's in Data Science	**August 2023 – May 2025**
PVP Siddhartha Institute of Technology	Vijayawada, India
Bachelor's in Computer Science and Engineering	**June 2017 – May 2021**