Akhila Bezawada EMAIL: bzwakhila2324@gmail.com

**Full Stack Engineer** **(React.js | Java & Spring Boot)**  LINKEDIN: https://www.linkedin.com/in/akhila-b-2a381b230

5+ Years Experience PHONE: +1 530 820 2789

# Professional Summary

**Application Development & Full Stack Engineering**

Full Stack Developer with over **5 years of experience** in designing, developing, and deploying enterprise web applications using **React.js**, **Java Spring Boot**, and **Kafka**. Experienced in building scalable microservices and dynamic, component-driven front-end applications. Passionate about delivering intuitive user experiences **UI** and robust backend **APIs**.

**Front-End Development (React.js)**

Expert in developing **responsive and reusable UIs** using **React.js**, **Redux Toolkit**, **React Hooks**, and **Material UI**.  
Hands-on with **component design**, **API integration (Axios)**, and **state synchronization** using **React Query**.

*Worked extensively on* ***MC Portal****, an internal offer management Platform at American Express, developing modules for* ***campaign creation****,* ***merchant eligibility****,* ***customer segmentation****, and* ***reward tracking dashboards****.*

**Backend Development (Java Spring Boot)**

Proficient in designing **RESTful APIs** and implementing **microservices** with **Java** **Spring Boot** and **Spring Data JPA**.  
Skilled in applying **CQRS** for efficient read/write separation, integrating **Kafka** for asynchronous processing, and using **Redis caching** for performance optimization.

*Experienced in backend modules like* ***Offer Management****,* ***Eligibility****, and* ***Reward Fulfillment****, ensuring reliable and scalable data processing.*

**Architecture & Patterns**

Knowledgeable in **event-driven architecture**, **Saga orchestration**, and microservice communication using **Kafka** topics.  
Experienced in implementing secure authentication via **Okta OAuth2** and designing **OpenAPI/Swagger contracts** for frontend integration.

**Collaboration & Agile Delivery**

A team-focused engineer who is comfortable working in **Agile environments**, performing **code reviews**, and collaborating with **UX designers**, **backend developers**, and **product owners**. Known for translating business workflows into well-structured front-end and backend implementations with measurable user impact.

# Core Skills

Front End: React.js, Redux Toolkit, React Hooks, JavaScript (ES6+), TypeScript, HTML5, CSS3, SCSS, Material UI, Tailwind CSS, Axios, React Query, Formik, Yup

Backend End: Java 17, Spring Boot, Spring Data JPA, RESTful APIs, Microservices

Data & Messaging: Kafka, MySQL, MongoDB, Redis Cache

Tools & DevOps: Git, Docker, Jenkins, Postman, IntelliJ, VS Code

Testing: JUnit, Mockito, Jest, React Testing Library

Architecture & Patterns: CQRS, Saga, Event-Driven Architecture, Responsive UI Design

# Work Experience

#### **Full Stack Engineer** **American Express (contract) | Phoenix, Arizona, United States** **Mar 2021 - Present**

**Project:** *MC Portal – offer management platform*

A full-stack internal platform used by marketing and business teams to create, manage, and track offers and campaigns.

**Responsibilities**

* Developed **React.js** user interfaces for offer management, campaign tracking, and reward monitoring workflows.
* Built **modular screens** like:
  + **Campaign Dashboard** – displays active and scheduled campaigns with KPIs and filters.
  + **Offer Creation Wizard** – multi-step form with real-time validation and preview.
  + **Merchant & Customer Eligibility** – dynamic rule builder for merchant/customer targeting.
  + **Reward Tracking Dashboard** – real-time charts (Recharts) showing redemption trends.
* Used **React Hooks**, **Redux Toolkit**, and **Material UI** for a dynamic and responsive UI.
* Integrated with backend **Spring Boot microservices** through REST APIs and Axios.
* Implemented **form validations** using Formik + Yup, reducing input errors significantly.
* Designed reusable UI components like modals, tables, dropdowns, and custom input fields.
* Worked closely with designers (**Figma**) to implement pixel-perfect responsive layouts.
* Developed and consumed APIs for **Offer Management** and **Eligibility Services** using **Spring Boot**.
* Applied **CQRS** for offer processing and used **Kafka** for event propagation between services.
* Improved API performance using **Redis caching** and optimized database calls.
* Participated in **Agile sprints**, **backlog grooming**, and **peer code reviews** for continuous improvement.

**Full Stack Engineer  
Byteridge Software Pvt. Ltd. | Hyderabad, India                         Jun 2019 - July 2020**

* Developed full-stack web apps using **React.js** and **Spring Boot** for healthcare analytics platforms.
* Built **data visualization dashboards** using **Chart.js** and **React Table** components.
* Implemented **JWT-based authentication** and secured role-based UI rendering.
* Designed and consumed **RESTful APIs** for various modules like Patient Insights and Doctor Analytics.
* Deployed applications using **Docker** and **Jenkins** pipelines.
* Worked with UX teams to improve page performance and design consistency across devices.

# Education

#### **Bachelor’s Degree: Computer Science**

**K L University | India                         2015 - 2019**

#### **Master’s Degree: Computer Science**

**LAMAR University | USA                         2020 - 2021**