

# Malick Ouedraogo

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## EXPERIENCE

### Full Stack Application Developer

IBM

June 2023 – Present

Baton Rouge, LA

#### *Federal React Application (AWS-Integrated) — Full Stack Engineer*

- Developed a fully responsive React application using Tailwind CSS, delivering 20+ reusable UI components from Figma wireframes
- Implemented a secure authentication system using AWS Cognito with role-based access controls for 30+ user accounts
- Built and deployed REST API endpoints with Node.js + Express supporting authentication and analytics workflows.
- Integrated AWS QuickSight dashboards for real-time analytics for federal stakeholders.
- Improved release stability with multi-environment deployments and automated CI/CD pipelines in Jenkins.
- Created Jest test suites achieving 80%+ coverage, reducing regression bugs.

#### *PNC Enterprise Banking Client (Angular) — Software Engineer*

- Delivered new UI workflows and enhancements across 41 Angular repositories for enterprise banking applications.
- Integrated Angular frontends with REST APIs, resolving contract issues and improving load performance.
- Fixed 40+ production defects, improving reliability across customer-facing applications.
- Monitored synthetic checks using Dynatrace and validated OpenShift deployment health.
- Troubleshoot Jenkins CI/CD pipeline failures, increasing deployment reliability.

## PROJECTS

### React AI Chatbot | *React, GoogleAI*

January 2024

- Developed a chat bot web application using React and the Google Gemini API
- Includes real-time communication between user and AI assistant
- Improved user experience with error handling

### Second Harvest Non-profit Capstone | *React, Spring, Bootstrap, Docker, JIRA*

January 2023 – May 2023

- Built a full stack web application for a local non-profit, integrating Spring Boot REST APIs with a React frontend
- Containerized frontend and backend applications with Docker for seamless deployment.
- Designed reusable UI components with Bootstrap and connected to a SQL database for event and volunteer data
- Collaborated with CGI developers in sprint meetings, backlog creation, and sprint reviews

## TECHNICAL SKILLS

**Languages:** Java, JavaScript (ES6+), TypeScript, HTML, CSS, SQL C#

**Frameworks:** Angular, React, React Native, Node.js, Express.js, GraphQL, .NET, Jest, Tailwind, Material UI, Kubernetes

**Cloud & DevOps:** AWS (Cognito, QuickSight), Docker, Jenkins, Kubernetes, OpenShift

**Tools:** Git, Docker, Dynatrace, VS Code, Postman

**Core Skills:** REST APIs, CI/CD, Microservices, State Management (Redux)

**Certifications:** AZ-900: Azure Fundamentals, IBM Certified Advocate Cloud V2

## EDUCATION

### University of Louisiana at Lafayette

*Bachelor of Science in Computer Science, Minor in Mathematics*

Lafayette, LA

Aug. 2019 – May 2023