RAHUL NIRAULA

Tampa, Florida
641.819.2662 • rahul.niraula@gmail.com
www.linkedin.com/in/rahul-niraula/

FULL STACK DEVELOPER (JAVA)

Diligent Full Stack Developer with 8 years of hands-on experience contributing to development and implementation of ERP solutions and management systems that enhance performance and streamline processes. Experienced in optimizing existing programs, increasing reusability of reporting systems, and meeting tight deadlines for numerous projects based in microservices. Skilled in using technologies such as Java, Kotlin, Spring, Spring Boot, Kafka, MongoDB, Data Structures, JavaScript, React, Vue, Angular.js, and Git.

Software Development / Implementation • ERP Solutions • Technical Requirements / Specifications
Database Design / Management • Optimization • Team Collaboration • Project Management

Languages: Java, Kotlin
Web: Bootstrap, JavaScript, HTML, CSS, jQuery, React
Web Services: RESTful Web Services, GraphQL
Frameworks: Spring, Spring Boot, Angular, Express, Node.js
Databases: MySQL, MongoDB, Oracle
Design Patterns: Singleton, Factory, Builder, Observer, Strategy, Proxy
Tools: IntelliJ IDEA, Git, Jira, Trello, Docker, Jenkins, Kafka
Platforms: Windows, Linux
Web App Servers: Tomcat, Apache
SDLC: Waterfall, Agile
Cloud: AWS (EC2, S3 Bucket)

PROFESSIONAL EXPERIENCE

*CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science***

Virtusa Corporation, Tampa, Florida • *2023 September – Present*
Client: Citi Bank, Tampa, Florida

Lead Software Engineer
Worked on Integration framework that seamlessly allows sharing of data between applications based on Event Driven Architecture.
- Participated in core **architectural design** for the Framework.
- Implemented various Microservices using **Kotlin**, **Spring Boot**, **MongoDB**, **Apache Kafka**
- Created a **no-code** java/spring-based template that allows consumption and production of messages using **Kafka**, **Confluence Schema Registry**, **AVRO**, **Kotlin**
- **Code Review**

Virtusa Corporation, Tampa, Florida • *2023 March – 2023 August*
Client: Citi Bank, Tampa, Florida

Senior Consultant, Technology
Worked on Unified Trading System that facilitates transactions of various Assets and Securities in the global market.
- Collaboration with cross functional team to design and implement various Microservices using **Java**, **Spring Boot**, **MongoDB**, **Oracle**, **Apache Kafka**.
- Integrated **Apache Kafka** as a message broker to decouple microservices, resulting in improved performance and reliability.

- Worked on database and query optimization in **MongoDB**, with result being **200** times faster.
- Developed **GraphQL** APIs as required by the front-end team.
- Upgraded various microservices to **Java 17, Spring Boot 3**
- Worked on unit tests using **Junit**, **Mockito** resulting to significant decrease in number of bugs.

Technologies Used: *Java, Spring Boot, MongoDB, Oracle, Apache Kafka, GraphQL*

GENIUS IT SOLUTIONS, Kathmandu, Nepal ● 2016-2022
Technology company specializing in the development of HR and ERP solutions.

Software Developer
Developed ERP solutions for church and HR management system while collaborating with other developers and project managers to streamline process.
- Defined **technical requirements** and **specifications** by meeting with clients and discussing action plan.
- Developed various sub systems based in **Microservice architecture** using **Spring Boot**, **Kafka**.
- Created reusable Reporting and Notification System using **Spring Boot**.
- Migrated Legacy project to Web Based Application using **Spring Framework(Spring Batch, Spring Boot, Spring JPA, Spring Config Server, JMS,)**, **AWS**, **MySql, Jenkins, Firebase**.
- Used **Maven**, **Gradle**, **NPM** build tools to build and deploy the project.
- Hands on experience in building and deploying the application using **Docker, Jenkins, Github Actions(CI/CD)**.
- Integration with third party providers such as **Stripe**, **Twilo**, **Nexmo**, **Sendgrid**,
- Designed and administered maintenance of databases **MySQl**, **Postgres**.
- Used **AWS S3** to store user generated content and serving the content via **CloudFront** for faster access.
- Recognized as Employee of the Month for exceptional professional performance.
- Writing **Mocito**, **Unit Test** using **Junit 4/5** and ensuring Code Coverage above **75%**.
- Creating Reusable UI Components using **Angular 6+**.

Technologies Used: JavaScript, Java, Spring Boot, Kafka, Microservices, Redis, Vue, PHP, Laravel, Linux, AWS, EC2, S3, Angular, React, Git, HTML, CSS.

THIRD POLE CONNECTS, Kathmandu, Nepal ● 2015
Technology company specializing on ERP solutions for education institutions.

Intern
Contributed to development of Reporting Module for ERP system to produce dynamic PDF reports.
- Collaborated with designers to convert design to **reusable PDF** reports using **Jasper Report**.
- Used **Apache POI** to generate report in Excel, Word based on open standard.

Technologies Used: Ext.js, JavaScript, Spring, Java, Git.

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion Dec 2024)
Maharishi International University, Fairfield, Iowa

Key Courses: Fundamental Programming Practices, Modern Programming Practices, Algorithms, Web Application Programming, Web Application Architecture, Modern Web Applications

Bachelor of Science in Information Technology
London Metropolitan University, London, England

Key Courses: Software Engineering, Object Oriented Analysis and Design, Operating System