SANDESH RAUTH

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FULL STACK DEVELOPER

Skilled software developer with more than 5 years of hands-on experience following the full Software Development Life Cycle to design and implement a variety of software solutions which meet all project requirements in high-performance, secure environments using JavaScript, TypeScript, React, Angular, Node, NextJS, IntelliJ, VS Code, Docker, Git, and more. Able to deliver highly modular, efficient, maintainable, and reusable components using cutting-edge industry standards and best practices. Intensive academic and project-based work in Java.

SDLC • Web Services • Design Patterns • Object-Oriented Programming
Microservices • Database Design & Development

Languages: Java
Web: JavaScript, TypeScript, HTML5, CSS3, jQuery, XML, AJAX, Bootstrap, ChakraUI, ThemeUI, MaterialUI, JUnit
Web Services: REST, GraphQL, SOAP, JSON, Microservices
Web/App Servers: Apache, Nginx
Frameworks: Spring (MVC, Boot, Security, Data, AOP, Dependency Injection, Cloud), Hibernate, ReactJS, NodeJS, NextJS, Angular
Databases: MongoDB, MySQL, PostgreSQL, MS SQL, AWS RDS
Design Patterns: MVC, Creational (Singleton, Builder, Prototype), Structural (Façade, Adapter, Bridge, Filter), Behavioral (Observer, Iterator, Memento)
SDLC: Agile, Waterfall
Tools: Eclipse, IntelliJ, VS Code, Sublime Text, Git, XAMPP, JIRA, Trello, Slack, Npm, Yarn, Docker, Postman, Swagger, Kubernetes, AWS, CircleCI, Sentry, Lerna, Cloud Computing (AWS)
Platforms: Linux, Windows, Mac OS

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

READYTOWORK-CORP, Lalitpur, Nepal ● 2022
A subsidiary of Readytowork-corp Japan, developing mobile and web apps.

Full Stack Web Application Developer
Developed and deployed full stack web applications.

- Participated in analysis, design, development, and testing phases of Agile methodology.
- Designed and developed backend using NodeJS, Spring Boot, MongoDB, and MySQL.
- Developed responsive frontend with Monorepo concept using NextJS, Ant, and CSS.
- Implemented and tested APIs designed to exchange data with frontend and backend.
- Used Git to track project changes and maintain file versioning. Deployed projects to servers.
- Applied AWS services like S3 and SNS for storage, and deployed projects in AWS services like EC2 and Elastic Beanstalk.

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- Provided training and reviewed junior developer's tasks, increasing confidence and coding skills.

Technologies Used: *JavaScript, Java, Spring Boot, HTML, CSS, Ant Design, Styled-Components, JSON, React, NextJS, Node, MySQL, MongoDB, Firebase, Git, Npm, JIRA, Slack, Postman, AWS, CircleCI*

DIAGONAL TECHNOLOGIES, Lalitpur, Nepal • **2019-2022**
Germany-based Nepalese technology company.

Full Stack Developer • **2020-2022**
Worked with a highly collaborative, cross-functional, Agile product development team to design and implement many responsive web applications from scratch.

- Participated in all stages of development life cycle. Planned and documented databases.
- Guided junior developers to progress according to company standards and customer requirements.
- Designed and developed flexible e-commerce sites using React, NextJS, NodeJS, Java, and Spring.
- Developed highly reusable components, minimizing project length.
- Created comprehensive data exchange APIs.
- Used Git for version control. Collaborated with DevOps teams for project deployment.

Technologies Used: *JavaScript, Java, Spring, HTML, CSS, ChakraUI, Styled-Components, JSON, React, Redux, NextJS, Node, MySQL, MongoDB, Firebase, Npm, GitLab, Slack, Postman, CircleCI, AWS*

Associate Full Stack Developer • **2019-2020**
Worked under the direction of senior developers to design and develop web applications.

- Implemented development work according to company standards and customer requirements.
- Designed and developed highly flexible e-commerce web apps using React and NodeJS.
- Developed B2B e-commerce web application for mobile vendors using Java.
- Planned, implemented, and documented database. Developed and tested APIs.
- Maintained project file versioning and change tracking through Git.

Technologies Used: *Java, JavaScript, HTML, CSS, ThemeUI, ChakraUI, Styled-Components, JSON, React, Redux, NextJS, Node, MySQL, MongoDB, Firebase, Npm, GitLab, Slack, Postman, AWS, CircleCI*

HONYPOT INFO, Lalitpur, Nepal • **2017-2019**
Company creates national-level projects and outsourcing.

Full Stack Developer
Promoted quickly from trainee to junior level developer.

- Followed senior developers to create applications in alignment with company standards.
- Created reusable, maintainable components using Figma and React.
- Developed server-side application using NodeJS and JavaScript. Deployed project using CI/CD.
- Conducted field visit during project research and communicated with government officials.
- Contributed to mentorship and bootcamp event. Collaborated with offshore clients.

Technologies Used: *JavaScript, HTML, CSS, ThemeUI, ChakraUI, Styled-Components, JSON, React, Redux, NextJS, Node, MySQL, MongoDB, Firebase, Npm, GitLab, Slack, Postman, AWS, CircleCI*

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ACADEMIC PROJECTS

Maharishi International University, Fairfax, Iowa (2023):

- **Car Rental Service:** Created scalable project which helps users rent cars quickly and efficiently. App allows users to search for available cars based on location, preferred times, and car models. Includes user authentication system allowing account management, history, and payment information.
  Technologies Used: *NodeJS, Angular, MongoDB, AWS*

- **Alumni Management System:** Online application and web portal developed using React and Spring Boot, which tracks college graduates and instructors. Project improves current procedures and provides alumni data to faculty, including job activities and status.
  Technologies Used: *Microservices, HTML, CSS, React, Java, Spring Boot, Hibernate, MySQL*

- **Library Management System:** An application with graphical user interface which maintains books, library users, and librarians. Implemented major functionalities for multiple user roles.
  Technologies Used: *Java, Git, Eclipse, Java Swing*

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion April 2025)
Maharishi International University – Fairfield, Iowa

Key Courses: *Fundamental Programming Practices; Modern Programming Practices; Web Application Programming; Web Application Architecture; Modern Web Applications; Enterprise Architecture; Cloud Computing (AWS)*

Bachelor of Engineering in Electronics & Communication Engineering (2019)
Paschimanchal Engineering College – Pokhara, Nepal