

YOGESH SHRESTHA

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FULL STACK DEVELOPER (FRONTEND)

Experienced Full Stack Developer with over 3 years of hands-on experience in building user-centric web applications using React JS for dynamic and reusable component development, enhancing UI/UX seamlessly. Proficient in CSS frameworks like Material UI for responsive and visually appealing designs and Redux for scalable state management, ensuring maintainable frontend architectures. Utilized Spring Boot and Node.js backend technologies, seamlessly integrating them with frontend components. Followed agile methodology and SDLC for timely and high-quality deliverables. Strong command over Cypress, Git, Maven, PostgreSQL, and GraphQL.

SOLID • Frontend / Backend Development • Test Driven Development • Web Services
• Object Oriented Programming • Dependency Injection • UI/UX

Languages: JavaScript, Java

Web: React.js, Redux/ Redux Toolkit (RTK), Zustand, Material UI (MUI), Bootstrap, HTML, CSS

Web Services: REST, GraphQL

Web/App Servers: Apache, Tomcat

Frameworks: Spring (Boot, Security, Web, Data JPA), Hibernate, Node.js, Express

Databases: Dgraph, MySQL, PostgreSQL

Design Patterns: Singleton, Factory, Facade, Template, Observer

SDLC: Agile / Scrum

Tools: Maven, Postman, VS Code, Docker, Jenkins, Git, Trello, Cypress, Star UML, Figma

Platforms: Windows, Linux

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).

WISEYAK SOLUTIONS PVT. LTD., Kathmandu, Nepal • 08/2021 – 02/2023

An IT company for healthcare solutions.

Full Stack Developer

Build EMR web-application; WiseMD, a HIPPA, and HL7-compliant AI-powered EMR solution to capture, visualize and analyze patient medical data.

- Developed and maintained responsive and user-friendly front-end interfaces using React.js and JavaScript, alongside Material-UI (MUI), improving user experience and ensuring seamless navigation, resulting in a 25% increase in user engagement and satisfaction metrics over 12 months.
- Leveraged Figma for UI/UX design, collaboration, and prototyping within the WiseMD system, ensuring visual consistency, and enhancing user interaction.
- Integrated Zustand for state management within React applications, enhancing reactivity and ensuring smooth state synchronization across the app, which led to reduction in latency and a smoother user experience.
- Engineered server-side solutions with Node.js, GraphQL, and Dgraph for efficient data retrieval, manipulation, and storage within the WiseMD platform, contributing to a 30% improvement in data processing speed and reliability.
- Spearheaded the integration of FHIR and UMLS standards in WiseMD, enabling secure, standardized healthcare data exchange. This integration facilitated improvement in interoperability and data accuracy across healthcare systems.
- Employed Docker for application containerization, achieving consistent deployment and scalability across different environments.
- Implemented Jenkins CI/CD pipelines to automate testing processes, achieving a 25% increase in code quality and a 20% decrease in post-deployment bugs.
- Utilized Postman for comprehensive API testing, ensuring high accuracy and stability in data interactions.

Technologies Used: React.js, JavaScript, Material-UI, Zustand, Dgraph, Ramda, Node, Cypress, FHIR, Postman, Docker, Jenkins, Keycloak

F. FIVE ENTERPRISES PVT. LTD., Pokhara, Nepal • 11/2019 – 07/2021

An IT company for building web applications.

Jr. Full Stack Developer

Build Full Stack School Management System (SMS)

- Designed and implemented interactive, responsive user interfaces for both the School Management System and Online Examination System using React.js and Bootstrap. This resulted in an increase in user engagement and a 25% reduction in navigation-related user complaints.
- Engineered robust, scalable backend components in Java, leveraging Spring Boot for RESTful API development and Spring Data JPA for data management, which enhanced system efficiency by 40% and reduced data retrieval times.
- Integrated Spring Security for authentication and authorization in the School Management System, safeguarding sensitive data and functionality.
- Incorporated third-party APIs and services, including payment and SMS gateways, into the School Management System, expanding its features and improving user satisfaction by 35%.
- Applied Spring MVC to manage web requests and application flow, improving request handling efficiency and streamlining application operations.
- Conducted comprehensive unit testing using JUnit and ensured code quality with ESLint, resulting in a 30% reduction in post-deployment bugs and a 20% improvement in code maintainability.
- Managed project builds and dependencies with Maven, optimizing setup and development processes.
- Integrated the GitLab CI/CD pipeline for automated builds, tests, and deployments, enhancing delivery speed by 50% and ensuring high reliability and stability of software releases.

Technologies Used: React.js, Redux Toolkit, Redux, JavaScript, Material-UI, Node.js, Maven, Hibernate, Java, Spring Boot, Spring Data JPA, Spring Security, Spring Web, MySQL

ACADEMIC PROJECTS

Maharishi International University (2024) Cafofo Real Estate Property Management System Full Stack:

Technologies Used: React.js, Redux, Redux Toolkit, Material UI, Node.js, Spring Boot, Spring Security, Spring Data JPA, Spring Web, PostgreSQL, JPQL, Hibernate, Postman, Docker

Maharishi International University (2023) Hotel Reservation System Backend

Technologies Used: Spring Boot, Spring Security, Spring Data JPA, Spring Web, MySQL, JPQL, Hibernate, Postman

Maharishi International University (2023) News Portal Full Stack

Technologies Used: React.js, Node.js, Express, Prisma, PostgreSQL, Docker, Postman

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 04/2026)

Maharishi International University, Fairfield, Iowa

Key Courses: Web Application Architecture, Enterprise Architecture, Algorithms, Web Application Programming

Bachelor's degree in Computing

London Metropolitan University, London, England (2021)