

# YASH KHAREL

## FULL STACK DEVELOPER

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### PROFESSIONAL SUMMARY

Versatile Full Stack Developer bringing a robust skill set in both frontend and backend technologies including MERN, with a keen emphasis on utilizing Java, MongoDB, Express.js, React, and Node.js to deliver seamless and scalable applications. Expert in crafting intuitive UIs, executing RESTful API integrations, and deploying database solutions with a user-centric approach. Committed to employing Agile methodologies and adhering to industry best practices in software development, including proficient use of Git for version control and adeptness in unit testing. Seeking to leverage my technical expertise in a collaborative environment where innovative projects are at the forefront. Eager to contribute to designing and implementing effective, efficient, and impactful software solutions that enhance user experiences and propel data-driven strategies in the realm of full-stack development, while continuously evolving with emerging technologies and methodologies in the tech industry.

### TECHNICAL SKILLS

|                         |  |
|-------------------------|--|
| Languages               | JavaScript, Typescript, Java, SQL, JSP, HTML, CSS,   |
| Framework and Libraries | Spring Boot, Angular, React.js, Express.js, React Router, Redux, Hibernate, Vite   |
| Frontend Technologies   | ReactJS, Angular, JavaScript, JSON, HTML, CSS, TypeScript, Redux, REST APIs  |
| Backend Technologies    | Express  |
| IDE                     | Visual Studio Code, Sublime Text, Eclipse, IntelliJ  |
| Database                | SQL, MongoDB, My SQL   |
| State Management        | Redux, NGRX  |
| Application/Web Servers | IBM WebSphere, WebLogic, Apache Tomcat   |
| Testing Tools           | React Testing Library, Selenium, Cypress, JUnit  |
| Build Tools             | Ant, Maven, Gradle   |
| Version Control         | Git, GitHub, Bitbucket   |
| Cloud Technologies      | AWS, Azure, Firebase, Heroku   |
| Technologies            | Object Oriented Programming, SOAP/Rest Web Service, J2EE, JSP, JPA, JDBC, JSP, Servlet, Microservices, RESTful APIs, Docker, Kubernetes. |
| Others                  | Bootstrap, Material UI, Styled Components, Tailwind CSS, Canva, Figma, Axure   |

### PROFESSIONAL EXPERIENCE

Full Stack Developer || Takeo AI, ON, Toronto

May 2023 - Present

**Responsibilities:**

- Developed end-to-end web applications using MERN stack, ensuring optimal performance, secure data handling, and scalable architecture.
- Engineered RESTful APIs using Node.js and Express.js, facilitating smooth communication between frontend and backend.
- Designed and implemented NoSQL databases using MongoDB, ensuring efficient, scalable, and flexible data storage solutions.
- Developed dynamic, single-page applications (SPAs) using React.js, improving user interaction and experience.
- Utilized Redux for state management in React applications, ensuring consistent performance and maintainable code.
- Employed Express.js as a backend framework to handle requests, routes, and views, enabling robust API development.
- Integrated third-party APIs and microservices, providing enhanced functionality and extending application capabilities.
- Leveraged JavaScript and AJAX to ensure smooth, asynchronous updates, enhancing user experience through real-time feedback and minimized page reloads.
- Implemented user authentication and authorization using JSON Web Tokens (JWT) and OAuth, securing user data and protecting routes.
- Utilized Mongoose for object data modeling (ODM), enhancing MongoDB database interactions and data validation.
- Implemented unit and integration testing with Jest, ensuring the reliability of backend APIs and middleware.
- Utilized CSS preprocessors (like SASS or LESS) alongside React.js for creating visually appealing, responsive, and user-friendly interfaces.
- Managed application state using Redux and Context API, maintaining usability and enhancing user experience.
- Deployed applications using cloud platforms like AWS and Heroku, ensuring high availability and scalable solutions.
- Implemented CI/CD pipelines for automating testing and deployment processes, increasing development speed and efficiency.
- Leveraged Docker for containerizing applications, ensuring consistency across multiple development, testing, and deployment environments.
- Conducted code reviews, mentored junior developers, and collaborated in a cross-functional team, ensuring code quality and knowledge sharing.

**Environment:** React.js, Angular, Express.js, HTML, CSS, Java, Spring Boot, MySQL, MongoDB, Apache Tomcat, JavaScript, jQuery, Jest, Postman, Spark, AWS, Azure.

**Software Developer || Simply Software Technology, Kathmandu, Nepal**

**Jun2020-May2023**

**Responsibilities**

- Blend HTML, CSS, Angular, and React to create captivating and responsive UIs, delivering visually striking user experiences across devices.
- Architect and optimize highly scalable web applications using Java, Spring Boot, and Hibernate, ensuring peak performance even under heavy traffic loads.
- Collaborate cross-functionally to gather requirements, design robust solutions, and streamline development processes for efficient project execution.
- Expertly implement RESTful APIs to extend application functionality, enrich user experience, and enable seamless frontend-backend interaction.
- Develop and maintain optimized database schemas, write SQL queries, and enforce data integrity to ensure reliability and consistency.
- Perform rigorous unit and integration testing to ensure the delivery of reliable, bug-free code, while adhering to quality standards.
- Lead Git version control practices, participate actively in code reviews, and foster a collaborative environment to maintain code quality.
- Showcase exceptional troubleshooting and debugging skills, optimizing app performance, and minimizing downtime through effective issue resolution.
- Employ advanced MVC design patterns and J2EE expertise for web-based Enterprise Apps, guaranteeing optimal performance and scalability.
- Skillfully utilize Spring Data JPA to map entities to Oracle databases, creating an efficient data management ecosystem.
- Execute Agile and Extreme Programming methodologies, leveraging JIRA for project management, and ensuring on-time and budget project delivery.
- Innovatively integrate jQuery for enhanced website interactivity, empowering users with dynamic form validation, event handling, and animations.
- Demonstrate mastery of Java 8 features, such as resource classes, lambda expressions, and Local Date objects, optimizing database operations

**Environment:** Angular, React, Drupal, Java, Spring Boot, RESTful APIs, HTML/CSS, Unit and Integration Testing, MVC Design Patterns, J2EE Expertise, Spring Data JPA, Spring Batch, MySQL, Spark Streaming, JPA, JDBC, Resource Classes, Lambda Expressions, LocalDate Objects

**Software Engineer || Integrated ICT Pvt, Kathmandu, Nepal**

**Feb2018-Jun2020**

**Responsibilities**

- Crafted captivating user interfaces with HTML5, CSS3, and responsive design techniques, enhancing accessibility and user engagement.
- Integrated cutting-edge frontend frameworks like React to create dynamic and interactive web applications.
- Orchestrated state management using Redux, ensuring efficient data flow and synchronization within applications.
- Leveraged Web Sockets for real-time data updates, providing seamless user experiences in collaborative environments.
- Collaborated with UX/UI designers to transform wireframes into pixel-perfect designs, aligning with user-centered design principles.
- Employed performance optimization techniques like lazy loading and code splitting, boosting application loading speeds.
- Ensured cross-browser compatibility by conducting thorough testing and implementing graceful degradation for legacy browsers.
- Integrated frontend unit testing using tools like Jest and Enzyme, catching and rectifying bugs at an early development stage.
- Applied Progressive Web App (PWA) principles, enabling offline functionality and increasing user engagement.
- Implemented client-side routing using libraries like React Router, enhancing user navigation, and improving SEO.
- Collaborated with backend teams to design and consume RESTful APIs, facilitating seamless frontend-backend integration.
- Implemented user authentication and authorization using OAuth and JWT, ensuring secure access to application features.
- Utilized frontend build tools like Webpack and Babel to streamline development workflows and optimize code.
- Conducted frontend performance analysis with tools like Lighthouse, refining application speed and user experience.

**Environment:** React, Redux, HTML5, CSS3, Responsive Design, WebSocket, UI/UX Collaboration, Lazy Loading, Cross-Browser Compatibility, Progressive Web Apps (PWA), React Router, RESTful APIs, OAuth, JWT, Webpack, Babel, Frontend Performance Analysis (Lighthouse).

**EDUCATION**

Queen Margaret University, Edinburgh, Scotland  
Masters in Business Administration

Kathmandu University, Dhulikhel, Nepal  
BSc in Computer Science