# **Madhav Pokhrel**

## **Software Engineer**

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## **Profile**

As an experienced Lead Software Engineer, I have a proven track record of delivering MVPs, MMPs, and launched applications for start-up enterprises. I work closely with CTOs, Product Managers, and UX/UI designers to add new functionality that enhances user experience. My technical expertise is broad and includes asynchronous programming in React, JavaScript, TypeScript, NextJS, ES6, Restful API, API Gateway, Node Js, Lambda, Dockers, Material UI, AWS, EC2, HTML5, TailwindCSS, Postgres MongoDB, MySQL, and more. I approach problems with an algorithmic mindset, and I'm passionate about delivering solutions in web development. My particular focus is creating responsive UI design, engaging users, optimizing for SEO, and improving data retrieval and workflow efficiency. With a degree in Computer Science and a minor in Mathematics from Davenport University, I am wellequipped to drive projects to success.

## **Professional Experience**

#### **Lead Software Engineer,** Randall Reilly ☑

07/2021 – present Remote

- Led a team of developers to convert a legacy application built in ember. Js to modern technology React by working closely with stakeholders such as Product Manager, Ux/UI Designer, Scrum Master, and Project manager, to identify goals, and develop best practices for data collection.
- Create web applications using asynchronous in JavaScript, TypeScript, React/Redux, JSX, Material UI, Dockers, ES6, Next.JS, Express.JS, SAAS, Git, GitHub, Jest/Enzyme, AWS, MongoDB, TailwindCSS, Restful API, API Gateway, Postgres, Visual Studio. Use TDD (Test Drive Development) with Jest to ensure high-quality code.
- Develop and test solutions, integrating them into the system to enhance functionality. Work with web services requirements to improve the functionality of existing software applications. Ensure clean code and adherence to ADA standards and readability.
- Provide technical guidance to other developers and maintain legacy web applications. Investigate and resolve issues, making changes as necessary to meet requirements.
- Apply essential object-oriented programming concepts, such as encapsulation, abstraction, inheritance, and polymorphism, to build responsive applications.

#### **Lead Software Engineer,** *GVNG Technology* ☑

- Proficient in both front-end and back-end web development, with hands-on experience in a variety of web development languages such as React/Redux, Express.Js, Next.JS, HTML, TailwindCSS, JavaScript, Typescript, Node, API Gateway, Lambda, EC2, Dockers, Postgres, Material UI, Jest/Enzyme, AWS, MongoDB, Strong understanding of TDD (Test Driven Development)
- Led a team of 7-10 developers and utilized JavaScript, React/Redux, Typescript, AWS, API Gateway, MongoDB, and Nodes to develop desired functionality
- Analyzed requirements and identified out-of-scope elements within the requirements
- Extensive experience in handling errors using exception-handling techniques to debug and display error messages within the application

04/2020 - 07/2021

Remote

- Worked in startup team environments and gained experience in modern technologies
- Strong understanding of Microservices, APIs, and Object-Oriented programming structure and logic
- Ability to analyze, debug, and resolve problems in both development and production environments
- Promoted best coding practices and software development standards to achieve exceptional results in projects

#### **Software Engineer,** *The State of Michigan (DTMB)* □

- I have a deep understanding of both front-end and back-end development. I possess practical experience working with various programming languages, including React/Redux, Express.Js, Next.JS, HTML, CSS, JavaScript, Node JS, and SQL.
- I am well-versed in popular frameworks such as Material UI and Jest/Enzyme and have worked with cloud platforms such as AWS and databases like MongoDB. I am also highly proficient in implementing Test Driven Development (TDD) to ensure that the code is of high quality.
- Strong understanding of data structures and algorithms, able to apply them to solve real-world problems
- Developed client-server web applications using React, Typescript, HTML5, CSS3, Material UI, and JavaScript to create visually appealing and user-friendly web interfaces.
- Excellent communication skills, able to effectively communicate with all levels of the
  organization and troubleshoot issues, ensuring the smooth functioning of software
  solutions.

08/2016 – 04/2020 Lansing, Michigan

### Education

**Bachelor's Degree,** *Davenport University* ☑ Bachelor of Science in Computer Information Systems.

Grand Rapid, Michigan

**Software Immersive Courses,** *General Assembly* Software Engineering Re-immersive Courses

Remote