

# Rich Forrester

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As a seasoned full-stack developer with over 5 years of experience working with large enterprises and startups, I have gained a deep understanding of how to balance speed with code quality, prioritize tasks based, and manage the performance of a web application. My expertise in Javascript/Typescript, React and Node.js has enabled me to design system architecture that is easily maintainable and scalable. I love what I do and constantly strive to learn more every day.

## Work Experience

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### Full Stack Developer

Omakasea.dev

November 2021 to Present

- Lead frontend team in the development of various web3 applications, including omakasea.dev, a generative NFT collection creator and smart contract deployer; mglth.tv, a streaming video app; ethgobblers.com, a Tamagotchi-style web3 game; and firstthread.shop, a web3 e-commerce platform.
- Work with backend developers often and participate in backend development utilizing various technologies such as NodeJS, MongoDB, and Solidity.
- Implement responsive design and cross-browser compatibility for each project.
- Mentor other developers, providing guidance on web3 development best practices.
- Work with project managers on timely delivery of features and releases.
- Participate in code reviews to establish good code quality and maintainability, using Git for version control.
- Utilize various web3 tools and technologies, such as Metamask, ethers and Alchemy, to optimize the performance of each project.

### Front End Developer

OpenHouse.AI - Calgary, AB

January 2021 to November 2021

- Collaborated with a team of developers to design and develop the frontend of OpenHouse.ai's web application, utilizing technologies such as React, TypeScript, Storybook, Next JS, and GraphQL.
- Implemented frontend functionalities, including building a CMS for managing real estate property listings, and implementing AI-based customization for search results.
- Implemented GraphQL queries and mutations to fetch and manipulate data efficiently from the backend.
- Used various development tools and technologies, such as Jira, Basecamp and Slack, to facilitate communication and collaboration with the team.

### Frontend Developer

Resource Energy Solutions Inc - Calgary, AB

April 2020 to December 2020

- Led the frontend development for the redesign of one of RES's core products.

- Rebuilt the frontend for a .NET MVC application using React, gaining experience in building an enterprise-level application from the ground up.
- Mentored and provided guidance to a junior developer
- Increased proficiency in React, Typescript, Webpack, and Redux while also gaining exposure to .NET and C# technologies.
- Contributed to the overall design and architecture decisions for the frontend application.
- Worked with stakeholders to gather requirements and provided technical expertise.

## **Junior Developer**

Absorb Software - Calgary, AB

January 2018 to March 2020

- Worked with the product development team at Absorb to create new features for millions of users on the Absorb LMS platform
- Worked closely with business and quality analysts in an agile development team to understand requirements, gather feedback, and iterate on software development cycles.
- Utilized technologies such as React, Redux, Webpack, Typescript, Microsoft SQL Server, and .NET as a full stack developer to implement and deliver new features and enhancements to the Absorb LMS.
- Developed backend functionalities using .NET and Microsoft SQL Server for data processing, storage, and retrieval.
- Participated in code reviews, conducted testing, and addressed bugs and issues in a timely manner to maintain high-quality codebase.
- Gained experience working in an agile development environment, following agile methodologies and Scrum for efficient project management and delivery.

## **Junior Developer**

Spartan Spark - Calgary, AB

August 2017 to December 2017

- Worked at Spartan Spark with a small team of developers on customer websites and Spartan Sparks CMS.
- Increased test coverage using Jasmine/Protractor, ensuring high quality and robust code.
- Built new features for customer websites and our in house CMS, contributing to enhanced functionality and user experience.
- Gained experience with testing methodologies, version control, Docker, Grunt, Node, and Angular.

## **Freelance Developer**

Consultant - Calgary, AB

February 2016 to July 2017

- Built websites using WordPress, Leadpages, Shopify, and Squarespace, delivering high-quality products that met client requirements.
- Developed custom website designs using Photoshop, ensuring visually appealing and user-friendly interfaces.
- Taught myself HTML, CSS, and basic JavaScript, continuously improving my technical skills and knowledge.
- Communicated with clients to gather project requirements, and provided guidance on what tech solutions to use.
- Attended the Lighthouse Labs web development bootcamp from May 2017 to July 2017 to develop my coding skills and learn Javascript, Node, React and Ruby.

## **Geologist**

Perpetual Energy - Calgary, AB

March 2006 to January 2016

- Worked in exploration and development in the Deep Basin at Perpetual Energy, evaluating prospective horizons on existing lands and identifying growth opportunities in the area.
- Gained extensive experience with heavy oil in Eastern Alberta, transforming an area producing mainly dry shallow gas into a significant oil producer and top revenue generator for the company.
- Planned and executed horizontal development programs for primary and secondary recovery schemes, while also mapping prospective lands for accretive acquisitions.
- Evaluated land base through 2D and 3D seismic programs, leading to identification of new prospects for drilling opportunities in various regions.
- Initiated coring programs for detailed analysis of reservoirs and fluids, contributing to a comprehensive understanding of the geological and reservoir characteristics of the areas explored.

## Education

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### **Bachelor's in Geology**

Queen's University - Ontario

September 2001 to 2005

## Skills

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- Git (6 years)
- CSS (6 years)
- JavaScript (6 years)
- MongoDB (5 years)
- React (6 years)
- Node.js (3 years)
- TypeScript (4 years)
- .NET (2 years)
- C# (3 years)
- SQL (3 years)
- Next JS (3 years)