

Full-stack Developer

Engagement Type: Freelance

Location: Remote

Duration: 3 months

Start Date: ASAP

Scope of Work: See Annexure 1



About Oorja

Oorja (www.oorjasolutions.org) is an award-winning social enterprise based in New Delhi. We are on a mission to empower 1 million farmers globally by 2030 with the agricultural solutions they need to sustainably increase their income and quality of life.

Oorja is a Farming-as-a-Service company working at the intersection of sustainable agriculture and renewable energy. Our focus is on powering productive-use appliances that help users to generate stable incomes, create jobs, and mitigate carbon emissions. Despite urgent need, around 90% of marginal farmers cannot afford to invest in solar technology to meet energy needs on their farms. Oorja wants to close this gap. We install, operate and maintain decentralised solar energy infrastructure for community use. We use these assets to sell affordable and reliable solar irrigation and milling services on a pay-per-use basis to smallholder farmers, without any upfront cost to them. We also offer offline and digital advisory services to strengthen climate adaptation and resilience amongst farmers. We operate in rural areas of northern India where farmers are currently reliant on polluting and expensive diesel motors for their energy needs and have ambitions to scale up our unique solution globally.

Our core strengths are our inclusive, customer-centric business model and a diverse and driven team with shared passion for sustainable development. Some of our investors and partners in this mission are:



Project Overview & Context

We are looking for an experienced freelance Full-Stack Developer to take on the task of reviewing our current website's code, optimising its performance, and enhancing its functionality. The current website is not functional / unsatisfactory: this role involves performing a full assessment and making recommendations as to whether to improve the current code, or build a new website within the set time frame.

As we aim to provide the best digital experience to our stakeholders, you will play a key role in elevating the website's performance to ensure it meets our high standards of reliability and scalability.

Roles and Responsibilities

1. **Code Review:** Audit the current website codebase for inefficiencies, bugs, or vulnerabilities. Recommend and implement necessary improvements to ensure code quality and best practices.
2. **Performance Optimisation:** Improve website loading speed and responsiveness by implementing caching, CDNs, and optimizing server and resource usage across all devices and browsers.
3. **Feature Enhancement & CMS Development:** Add new features and improve the CMS to enhance functionality and streamline internal workflows, ensuring scalability and ease of use.
4. **Front-End Optimisation:** Ensure the user interface is responsive, accessible, and mobile-friendly, delivering a seamless experience across devices.
5. **Back-End Development & API Integration:** Enhance back-end systems and integrate APIs to improve functionality and support future requirements.
6. **Testing & Debugging:** Perform comprehensive testing to identify and fix bugs, ensuring smooth website performance and minimizing downtime.
7. **Security:** Audit for vulnerabilities and implement best practices for data protection, including SSL, encryption, and protection against common threats.
8. **Collaboration & Reporting:** Work closely with internal teams, providing regular progress updates and ensuring alignment with business goals.
9. **Documentation:** Prepare clear documentation of all changes and new features for easy management and maintenance by the internal team.
10. **End-to-End Project Management:** Manage the project end-to-end, from code review to implementation, delivering a functional, scalable, and high-performing website.

Qualifications & Skills

- 5+ years of experience working with web development frameworks and platforms, specifically PHP, Laravel, AWS, and Google Cloud.
- Familiarity with HTML5/CSS3, JavaScript, jQuery, MySQL, and version control (Git) is preferred.
- Proven experience in full-stack development, including website architecture, backend optimisation, and frontend UI/UX enhancements.
- Experience building custom CMS systems and integrating features to enhance overall functionality.
- Ability to work independently and manage projects autonomously from start to finish.
- A keen eye for detail and problem-solving skills to improve the website infrastructure.
- Knowledge of website performance optimization techniques, especially for load speed.
- Experience with debugging and testing to ensure high website uptime and user satisfaction.

How to Apply

If this opportunity appeals to you, please send your application by filling out the brief online application form before **Thursday, 10 April** here – www.oorjasolutions.org/apply-now.

What We Offer

- A highly enthusiastic, driven, and ambitious team.
- Collaboration with diverse talents: developers, researchers, engineers, farmers, and scientists.
- Competitive compensation for your contributions.
- Exposure to solar technology, sustainable agri-food systems, and the development sector.
- Autonomy in managing the project with support from our team.
- The opportunity to contribute to an award-winning company in the fast-growing renewable energy and agri-tech industries.
- A chance to make a meaningful impact on people's lives.

Equal Opportunities and Non-Discrimination Statement

Oorja Development Solutions India Private Limited is an equal opportunity employer that values and respects the importance of a diverse and inclusive workforce. It is the policy of the company to recruit, hire, train and promote persons in all job titles without regard to religion, race, caste, gender, place of birth, sexual orientation, marital status or disability status. Oorja endeavors to provide a safe, diverse and comfortable workplace. Oorja will not adversely discriminate, and prohibits other adverse discrimination at the workplace against any person on its premises, whether that person is in its employment or otherwise. If you can contribute to our organisation, you are welcome, regardless of your roots, religion, age or gender.

Annexure 1. Scope of Work

Software Developer (Freelancer) | Website development

Project Overview

Oorja is seeking a skilled freelance software developer to overhaul its website, addressing critical issues of functionality and performance. The current website is non-functional and buggy, requiring significant attention to improve its overall user experience and reliability. The task at hand involves either fixing the existing codebase or developing a completely new website, with all existing content being transferred seamlessly. Given past challenges with custom-built platforms, Oorja is now considering using pre-made website builders to simplify future maintenance and content management. This Scope of Work (SoW) outlines the key deliverables, roles, responsibilities, timeline, and qualifications needed for the project.

Project Overview

The current website has multiple issues: broken features, slow performance, and an outdated architecture. These issues are hindering user engagement and making content management inefficient for Oorja's internal team. The goal is to have a fully functional, user-friendly, and scalable website that can be easily maintained by the internal team. The ideal solution should improve the website's functionality, performance, and security while ensuring it is easy to manage and update through an intuitive CMS.

Scope of Work

The selected developer will be responsible for the following:

#	Deliverable	Activities & Expected Results	Timeline
1	Code Review & Assessment	<ul style="list-style-type: none">Audit the current website codebase to identify inefficiencies, bugs, and vulnerabilities.Recommend and implement necessary fixes and improvements to the existing code if opting for a repair route, or build the foundation for a new website.Ensure code quality, security best practices, and adherence to web development standards.	Week 1-2
2	Website Development	<ul style="list-style-type: none">If opting for a new build, use a pre-made website builder that aligns with Oorja's requirements for ease of use, scalability, and security.Develop front-end and back-end functionality that meets Oorja's needs for content presentation, user interaction, and operational efficiency.Integrate APIs as necessary to support Oorja's future needs.	Week 2-4
3	Performance Optimization	<ul style="list-style-type: none">Improve the website's loading speed and responsiveness across all devices and browsers by	Week 5

		implementing techniques like caching, CDNs, and optimizing server-side resource usage. <ul style="list-style-type: none"> • Ensure the website is optimized for mobile devices to ensure a seamless experience for all users. 	
4	Feature Enhancement & CMS Development	<ul style="list-style-type: none"> • Enhance the existing CMS or integrate a new one that allows the internal team to easily manage and update content, or ensure the platforms' pre-built CMS is fully operational and user-friendly for the Oorja team. • Add new features where necessary, ensuring they are scalable and align with future business needs. 	Week 6
5	Front-End & UI/UX Design Optimization	<ul style="list-style-type: none"> • Ensure the website has an intuitive, responsive, and accessible user interface. • Work on front-end enhancements to ensure a seamless experience across different devices, particularly mobile and tablet formats. 	Week 7
6	Back-End Development	<ul style="list-style-type: none"> • Improve the back-end infrastructure, ensuring the website is scalable, secure, and easy to maintain. • Implement the necessary security measures, including SSL certificates, encryption, and protection against common threats. 	Week 8
7	Testing & Debugging	<ul style="list-style-type: none"> • Conduct comprehensive testing to identify bugs or performance issues. • Implement bug fixes and resolve any issues related to website functionality, security, or performance. 	Week 9
8	Security Audit & Implementation	<ul style="list-style-type: none"> • Perform a detailed audit of the website for security vulnerabilities and implement fixes as required. • Ensure best practices for data protection are followed, including encryption and secure handling of user data. 	Week 10
9	Collaboration & Reporting	<ul style="list-style-type: none"> • Collaborate with internal teams to ensure the website aligns with Oorja's business goals and needs. • Provide regular progress updates and communicate issues promptly. 	Week 8-12
10	Documentation & Handover	<ul style="list-style-type: none"> • Document all changes and new features to ensure that the internal team can manage and update the website independently moving forward. • Prepare clear guidelines for website maintenance, troubleshooting, and updates. 	Week 8-14

Project timelines

Given the scope and complexity of the project, the following timeline is proposed:

- **Phase 1: Initial Audit and Planning (2 weeks)**
 - Review existing website codebase or evaluate the requirements for building a new website.
 - Provide a report on the status and outline the necessary actions.
- **Phase 2: Development and Testing (6–8 weeks)**
 - Develop the website using pre-built website builders and integrate necessary features and CMS.
 - Perform testing and debugging, addressing any issues as they arise.
- **Phase 3: Deployment and Handover (2 weeks)**
 - Final deployment of the website and integration with Oorja's domain.
 - Handover documentation and training for the internal team to manage the website.

Deliverables

- Fully functional website with all content transferred and properly integrated.
Performance improvements, including mobile responsiveness and loading speed.
- Clear, accessible documentation for the internal team to manage the site independently.
- Secure, bug-free, and scalable website with a modern user interface.