



**SUSTAINCERT**  
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JOB DESCRIPTION

# SOFTWARE ENGINEER BACK-END

January 2022



The Software Engineer Back End Engineer will be an essential part of the in-house team of software engineers, leveraging agile processes to deliver on the company roadmap.

## 1. ABOUT SUSTAINCERT

At SustainCERT, we help quantify and report on the social and environmental impacts from a wide range of sustainability interventions. Our role is to provide robust evidence of progress towards our collective sustainability goals and ensure climate pledges bring real, meaningful impact on the ground.

We deploy technology to create the next-generation of impact accounting and improve the way carbon emissions are measured, reported and verified: More simplicity, more affordability, more efficiency and always the best level of accuracy and credibility.

We are on a mission to mainstream best-practice for the benefit of all – businesses, people and the planet.

## 2. ABOUT THE POSITION

Initially reporting to the Chief Technology Officer / Head of Technology, the Software Engineer Back-End will play an instrumental role in defining, and implementing SustainCERT's technology strategy and roadmap. The Software Engineer Back-End will support the recruitment of a team of in-house software engineers, leveraging agile processes to deliver on the company roadmap.

The technology roadmap includes on one-hand the digitisation of carbon credit certification processes including data capture, GHG quantification and smart verification; on the other hand It includes the development of an emission factor management system to support value chain certification solutions and corporate GHG reporting more broadly.

The Software Engineer Back-End will be work closely with stake holders across the organization in order to ensure clear and complete product specifications and backlogs. This is a great opportunity for a software engineer to influence and contribute to a high-impact organization and vital mission.

SustainCERT is incorporated in Luxembourg, and this position is ideally located in Luxembourg. Remote work is possible for the right candidate.

## 3. PRIMARY RESPONSIBILITIES AND TASKS

- Co-design and actively contribute to implementation of SC's SaaS platform
  - Understand SustainCERT's business and roadmap
  - Hands-on implement software for the platform
  - Significantly contribute to engineering infrastructure and tooling
- Support build-out and maturing of SustainCERT's engineering organization
  - Support recruiting and hiring of software engineers
  - Support on engineering best practises around coding, testing, test automation, continuous integration & deployment as well as security and cloud operations
- Significantly contribute and guide agile execution
  - Collaborate with stake holders to ensure clear and complete product and sprint backlogs



- Support team(s) sprint planning, execution, review and retrospective
- Iterate towards our product vision
- Support and facilitate top-notch engineering culture
  - Emphasize and participate in a psychologically safe environment for everyone in the engineering organization
  - Help foster a relaxed but also focused, motivated, delivery-oriented team that is eager to take product ownership to the next level and help save the planet

## 4. QUALIFICATIONS

- At least 3 years of professional experience in technology development and deployment; ideally in software companies; experience in software and system architecture a big plus
- Experience with agile processes is a must
- Technical qualifications:
  - a. Deep knowledge of software development process
  - b. Deep understanding of monolithic and (asynchronous) microservice SaaS platform architectures
  - c. In-depth, hands-on experience with either .Net Core or Java in a web application context; Microservices a very big plus
  - d. Hands-on experience with Python in a web application and/or data processing context
  - e. Deep expertise in cloud native technologies and architectures (Kubernetes, Serverless, etc.)
  - f. Experience with streaming data applications is highly desirable
  - g. Experience with IoT and machine learning is a plus
- Personal qualities of integrity, credibility, and dedication to combatting climate change
- Strong team player
- Good communication and interpersonal skills
- Minimum of a Bachelor degree (or equivalent) in Computer Science or a related field

## 5. RECRUITMENT PROCESS AND TIMELINE

Applications can be sent to [recruitment@sustain-cert.com](mailto:recruitment@sustain-cert.com). The position will remain open until a suitable candidate is found. Candidates selected for a firstround interview will be notified by email. Please note candidates will not be notified unless selected for an interview. Salary will be based on experience and include benefits (e.g 5 weeks paid leave).