

## Job Specification: Software Engineer - Backend

### Overview of reach52 and Our Work

reach52 is a fast growing, global, social enterprise start-up working to bring sustainable, universal basic healthcare services to users in low access, developing regions. We do this through an innovative service model, an off-line technology platform and embedding support within communities to help residents access care, knowledge, and other services we deliver. We need a socially motivated, high achieving individual to take a lead technology role.

Our mission is divided in to two parts: community access, navigation, and healthcare support on the one side; and ultra-low-cost fill-in services to sustain the solution on the other. This allows our core healthcare services and treatments to reach further into communities, prevent unnecessary suffering and save lives where state of the art services do not always get to. At the current time our income comes from grant funding and the value of our data and services to provide a sustainable solution so that the services become embedded in the communities we serve.

### Overview of the Role

Our engineering team is based across Singapore, India (primarily Bengaluru) and Philippines. We are recruiting for a highly motivated Back End Engineer to take on the role of designing and delivering enterprise solutions, applications, and integrations. We are looking for someone with relevant experience in NodeJS, JavaScript, Java, Python, RESTful APIs (Application Programming Interface), MongoDB, and Couchbase technologies.

As we are rapidly expanding our userbase, we need to build our portfolio of integrated applications that work in a challenging, off-line environment. We are looking for someone who is a self-starter, who can own the backend service provision for multiple android and web solutions.

The candidate should be able to integrate as a team player in the development team even when access to office space is unavailable. As the team expands, the successful candidate would naturally play a definitive part in shaping the team for the future. The candidate should be able to develop and deliver solutions, therefore experience in independent technical delivery, problem solving and ability to learn is paramount.

**Title:** Software Engineer - Backend

**Employment:** Full time contract with probation period

**Start Date:** June 2021

**Location:** Bangalore, India

**Reporting to:** Senior Manager, Product and Platform

## Role Scope and Responsibilities

The core role scope and responsibilities of the Software Engineer – Backend, will be to:

- Develop quality software and web applications
- Analyze and maintain existing software applications
- Design highly scalable, testable code
- Discover and fix programming bugs
- Propose, manage, and implement technical backend solutions
- Understand and analyze user requirements and defects to provide solutions
- Lead and architect modern designs to our existing and new applications
- Manage the configuration and synchronization of data
- Develop backend applications and build APIs
- Application's security, monitoring, and reporting
- Provide technical guidance to the team

## Person Specification

The ideal candidate will have:

- Experience working in a self-motivated, start-up environment
- 4+ years of experience in solution engineering
- Ability to work with the Engineering, Product, and Business teams in the organisation
- Experience of containerisation and the need for this in modern environment
- Experience of the need for security and data privacy
- Knowledge in a selection of the following and prepared to learn others as required:
  - Cloud platforms
  - Proficient in NodeJS, JavaScript, Java, Python, RESTful APIs, MongoDB, and Couchbase
  - NoSQL databases and replication
  - Commercially secure communications
  - Website, application, and API (Application Programming Interface) security
  - Application integration and API (Application Programming Interface) management
  - Design of off-line services and synchronisation
  - Containerisation (docker)
  - Release Management and Deployment, Kubernetes is an advantage
- Knowledge of healthcare systems is an advantage
- Good written and oral communication in English is essential for communication in our global team, other regional dialects/languages is an advantage;
- Formidable team-working skills and flexibility to work as part of a small-but-growing start-up team.

***Interested candidates may send in their CV (Curriculum Vitae) and cover letter to [operations@reach52.com](mailto:operations@reach52.com)***