



Job Description	
JOB TITLE	Technical Manager, FoodSwitch
REPORTING RELATIONSHIP	Managing Director, FoodSwitch
DIVISION	Food Policy
EMPLOYMENT DURATION	Ongoing
TYPE OF EMPLOYMENT	Full-Time
DATE	September 2021

The George Institute for Global Health

'The George' is 700+ people focused on improving the health of millions of people worldwide. An independent medical research institute affiliated with leading universities and with projects in approximately 50 countries, we are challenging the status quo in healthcare to find the best ways to prevent and treat chronic disease and injury, and to influence policy and practice worldwide. Our innovative commercial enterprises help maximise our impact.

The George's 2025 strategic plan has three key priorities:

1. Better treatments: Finding better treatments for the world's biggest health problems
2. Better care: Transforming primary health care to deliver better health to more people
3. Healthier societies: Harnessing the power of governments, markets, and communities to improve health.

Here is just a sample of the things we're doing to have the greatest impact on global health:

- Better treatments:
 - o We are identifying better and safer treatments for our biggest killers like stroke, heart disease and high blood pressure
 - o We're developing an affordable dialysis machine, with potential to save millions of lives each year and transform the way kidney disease is treated globally.
- Better care:
 - o In China, we ran a successful education and awareness program to reduce the amount of salt eaten by people by 25% each day
 - o In rural India, we've shown that mobile technology can help diagnose mental health issues, as well as help treat cardiovascular disease, and we're looking at similar approaches to treating chronic diseases in Indonesia and China
 - o We've shown that simple text messaging can help prevent heart attack and stroke. Now, we're working to roll this out globally to prevent chronic diseases affecting millions of people.
- Healthier societies:
 - o Together with Aboriginal communities in NSW, Australia, we've developed an innovative community led program to assist young Aboriginal drivers attain their license, now implemented in a dozen of locations
 - o In many countries, our award winning FoodSwitch smartphone app is helping people make healthy food choices when shopping

And much more...



FoodSwitch

The global prevalence of diet related non-communicable disease is a systemic issue - a problem of economics and the regulatory environment and a direct consequence of a progressive decline in the healthiness of the foods people consume.

Our innovation is FoodSwitch - a data and technology platform that captures, catalogues, and profiles the nutrition and composition information of a country's food supply. Central to our strategy is the empowerment of community, government, and industry by providing data and insights on the food supply that can help government and industry enhance the food environment, and help consumers improve their diet.

Context of the Role

The role exists to support the ongoing development of FoodSwitch and its global roll out. Our ambition is to launch FoodSwitch in 50 countries in 5 years. This requires an efficient and sustainable technical platform.

To achieve its impact driven purpose, FoodSwitch also needs to operate as a successful commercial business – continually developing and evolving to meet the needs of commercial opportunities and customers.

FoodSwitch has technical aspects that span data collection and processing, data analytics, Content Management Systems, and front-end applications – mobile apps, website, and APIs.

The Role

The Technical Manager, FoodSwitch is responsible for:

1. The strategic technical development of the FoodSwitch platform (i.e. the technical roadmap, plan and execution for our technical architecture, data management solution, front end applications, features, and functionality)
2. The ongoing technical support and maintenance of the FoodSwitch back end web servers and front-end apps
3. The management of technical solutions and development operations to optimize quality, speed, and cost.

Reporting Relationships

The Technical Manager, FoodSwitch will report to the Managing Director, FoodSwitch, and will work closely with other members of the FoodSwitch team and external parties, including:

Peers:

- Product Manager
- Database Team Leader

Operational / day to day management of:

- iOS Technical Lead
- Android Technical Lead
- Web Application Technical Lead
- QA Lead

Oversight and responsibility for:

- Other technical, analytics and innovation services, suppliers, and partners relevant to the provision or development of the FoodSwitch product and services e.g. AWS; GCP; Jira/Atlassian; Zeplin)
- Contract UI/UX Designers



Duties and Key Responsibilities

Direct

- Coordinate and manage the entire FoodSwitch technical program
- Define the technical requirements, specifications, and solutions for projects
- Lead all development operations including technical staff and 3rd party suppliers and vendors
- Work with the Product Manager and Database Team Leader on the prioritization, planning and delivery of projects
- Set and manage Support and Maintenance effort against budget and capacity constraints including system administration and infrastructure (e.g. Hosting)
- Create, plan, and execute the roadmaps for applications, consulting with team
- Improve our technical operating efficiency and effectiveness through the performance of the development team and the application of industry leading tools and services
- Ensure the program meets relevant guidelines, standards, and specifications
- Effective internal and external stakeholder management
- All technical documentation for FoodSwitch e.g. project technical requirements and scope of work, technical solution documentation; system documentation
- Security of all code and technical asset and systems
- Technical tracking and reporting systems

Support

- Support the Product Manager and Data Team Lead in the development the shared Roadmap
- Support the Data Team Lead in the implementation of solutions to improve operational effectiveness and efficiency of data management
- Support the Managing Director in business development (development of prototypes, production of high-level requirements documents and proposals etc.)

As a Team Member:

- Participate in special projects to improve processes, tools, systems and organisation
- Take responsibility for personal learning and development and for setting achievable and meaningful work objectives and managing personal targets, meeting obligations of The Institute's Performance Management and Development Policy
- Demonstrate commitment to The Institute's organizational values, including performing to an exceptionally high ethical standard and focus on integrity, collaboration, and teamwork in all efforts.

As a Team Manager

- Ensure line-managed staff are well supported in their role to deliver against their stated objectives.
- Ensure your team is aware, trained and adheres to all compliance issues and practice of the work area and always adheres to local legislation and Institute policies and procedures (e.g. matters of confidentiality, privacy, Intellectual property, etc.)
- Be responsible for managing performance of team members, including:
 - ensuring all have a personal development plan
 - have agreed to sound and rigorous work and personal objectives
 - have a clear understanding and commitment to work timeframes
 - ensure regular reviews with team members to meet obligations of The Institute's Performance Management and Development Policy



- Act as a role model to ensure the team's commitment to The Institute's organizational values, ensuring that they perform to a high ethical standard and focus on integrity, collaboration, and teamwork in all efforts.

Work, Health and Safety

- Comply with Work Health and Safety legislation and operate in accordance with established Occupational Health and Safety practice and procedures at the Institute
- Promote and contribute to a safe, secure environment for staff and visitors.

Skills, Knowledge and Experience

Essential

- Tertiary qualifications in a related science or computer science discipline
- Proven experience in managing a technical development team
- Proven technical project management
- Proven experience working within a digital process particularly in multiple projects
- Past experience with hands on coding, in one or more languages
- Fluent in latest technical development concepts, software tools, technologies, database concepts and design techniques
- Strong interpersonal skills around collaboration, communication, and flexibility.

Desirable

- Experience across back-end and front-end development, and database structures.
- Interest in health and nutrition.