



Company Registration No. : 201929283D

Job Description for Full Stack Engineer

About FathomX

FathomX is a Digital Health AI spin-off company from the National University of Singapore and National University Health System and is the brainchild of Dr Mikael Hartman (Breast Cancer Surgeon at NUH) and Dr Feng Meng Ling (Assistant Professor at the Saw Swee Hock School of Public Health). Our flagship product, FxMammo, is an AI Assistant that significantly improves the screening procedure for mammograms by enhancing both the efficiency and accuracy of screening processes.

The roles & responsibilities and requirement of the candidate are as listed below:

Roles and Responsibilities

- Participate in demand analysis, product planning, prototype design, process system document and technical regulation document writing for B-oriented artificial intelligence medical device software.
- Be responsible for product customization and development during deployment.
- Report to Principal Software Engineer and with the team of engineers to maintain, deploy and support the product based on existing set protocols and standard operating procedures in alignment with ISO13485 standards.
- Designing and developing backend, APIs, frontend and designing UI for the Web application.
- Creating servers and databases for required functionality.

Requirements:

- Bachelor degree and above, with at least 4 years of software product development experience.
- Excellent experience with backend programming languages and framework such as Python and Django
- Experience with front-end programming languages such as JavaScript, TypeScript and framework such as Angular.
- Practical knowledge of AWS services, such as EC2, VPC networking and databases
- Practical knowledge of DevOps tooling such as Dockers, Git and Atlassian tools like JIRA and Confluence.
- Hands-on experience with Linux and Shell scripting
- Strong communication and technical writing skills
- Good English document writing skills, and able to communicate fluently in English.

Nice to have:

- A good attitude to learn and be willing to work with different age groups in a startup and research environment.
- Cloud Certification and/or experience in using AWS or any other cloud platform is a plus.
- Medical software product or AI product developer work experience.