hygiaso

Senior Data Engineer in Health Data Start-Up

Member of the core team, to make a great product with sustained impact

About the Company

Hygiaso is an innovative Swiss start-up, based in Basel, which through its software product empowers citizens to obtain their personal health data and control what they share with whom and for what purpose. Unassailable ethics and individual specific, informed consent are at the core of what we do to enable healthcare and innovation.

We are part of a pan-European consortium which will give us access to the critical mass of customers, health data providers and patients as a foundation for our high ambitions.

Our product makes use of the latest proven technology in the domain of privacy, distributed analytics, decentral identity, access management and data exchange, delivering a top-notch user experience.

We have secured multi-year funding and are assembling a small high performing team with complementary skills to build the mobile and backend platform. Each member will be an expert in their domain who can participate in the design and will implement hands-on. We collaborate with colleagues effectively, assume different roles in the team and competently cover domains beyond just our core expertise. We win and grow together.

If you feel inspired by being among the first to join the creators of a game-changing platform in the enormous, fast growing health data sharing space; if you have entrepreneurial spirit, are proud to deliver and competent in your job, then step up to this unique opportunity and join our core team.

Your Role

As one of our few senior developers,

- You are an integral and essential part of the core development team, jointly elaborating and implementing the use cases to build a great software product
- You design and implement capabilities which meet the requirements and interoperate with the components of your peers. The data capabilities that you are going to build support analytics and sharing of multi-modal data in a fully decentral mobile and cloud setting
- You self-sufficiently develop, integrate, and test the data integration (ETL from multiple sources), repository and analytics. You implement and expand the data model, data stack, catalogue, access policies and key based access and transfer, data quality and authentication process in an incremental agile approach
- You ensure robust and documented code and ensure your colleagues can support you, as you will support them to overcome obstacles and deliver on priorities collectively
- Commensurate with your personal competences and experience you can also take on or share additional roles to complete the team and grow

Your Profile

- Qualified data engineer with multi-year experience
- Will to shape and impact sustainably together with the team
- Well versed in health data standards/ontologies and related data transformation (OMOP, DICOM, LOINC, FHIR, IHE), data governance, quality, semantics

- Experienced with health data analytics or integration, health data management and exchange (such as electronic health records, diagnostic modalities (image, clinical, device, prescriptions, dispatch reports, or PREM/PROM)
- You are comfortable with relational databases and knowledge graphs, transforming them and making them accessible. You can define and articulate a clear path to integrating a data source and make it accessible, leveraging standards and ontologies
- Accustomed with current development tools and common data stack, such as SQL, React, REST API, key based access
- Experience with graph database, backend development, decentral ledgers, smart contracts, and/or decentral identities are a plus
- Fluency in English is a must, German and other European languages are an asset
- Available 80-100%, full time preferred, fixed term or permanent
- Swiss or EU/EFTA residency, and work permit

Some of the differentiating skills which enable you to take on larger responsibilities or additional team roles can be:

- Software as a medical device development and/or software in regulated clinical environments/studies
- Data analytics and privacy preserving distributed analytics/computing
- Decentral ledgers, smart contracts, Self-Sovereign Identity (SSI) and/or crypto technologies
- Software architecture linking mobile, backend, cloud and data
- Ability to manage stack/pipeline and DevOps
- Scrum master
- UX/UI experience in a non-digital native patient setting

Your Benefits

- Competitive salary and social security
- Participate in equity of the start-up with part of your salary if you want
- Home office or remote work from your Swiss, or EU/EFTA domicile possible, co-location in the Basel area at least part-time preferred
- Flexible working schedule

Your Application

We invite applications from any qualified candidate alike, regardless of group or minority to which they may belong. If you want to make an important contribution to enabling innovation in healthcare, then you should apply with your CV and a cover letter or message to working@hygiaso.ch. Please substantiate what scope of roles or domains you can cover.

We look forward to getting to know you.