

Full Stack Developer

The National Autism Research Center of Israel (NARCI) was established to promote better diagnosis and treatment of autism in Israel by creating research infrastructure that serves researchers at universities, medical centers, and industry.

Our goal is to transform Israel into an international leader in the development and implementation of effective autism diagnosis and intervention techniques. To achieve this goal, we developed an innovative research model that integrates science and clinical care, and promotes partnerships between academia, government, healthcare providers, and the Israeli autism community. A cornerstone of our efforts is the development of a National Autism Database, currently the largest autism database in Israel. This database has already provided critical data to over 20 studies on the causes of autism, early detection of the disorder, and the efficacy of both existing and new treatments.

The role

We are looking for a highly capable full stack developer who will build and maintain a variety of interfaces that will enable easy data collection and enhance the usage and performance of the database. The successful candidate will develop front-end web and mobile based interfaces for data collections as well as back-end interfaces for data management and reporting. In addition, he/she will integrate data from multiple existing health databases, create data sharing protocols, implement standardized database management procedures, and oversee all installation, security, and privacy aspects of our database with the help of external consultants.

Responsibilities:

- Develop, manage and continuously upgrade a medical research database that is used by multiple centers throughout Israel.
- Establish protocols that optimize data quality, safety, privacy, accuracy, and availability in a scalable manner that can be expanded to additional sites.
- Develop front-end interfaces for data entry using web and mobile environments.
- Develop back-end reporting tools for assessment of data availability and integrity.
- Integrate multiple data types (e.g., MRI scans, DNA data) from external databases of major universities and medical centers.
- Create and manage data back-up, security, and privacy protocols.
- Work closely with research and clinical teams to solve research problems associated with data collection and management.
- Function as the technical right-hand person to the CEO

Capabilities:

- Bachelor's degree in management information systems, engineering, computer science, information systems, or information technology.
- At least 3 years of hands-on experience as a Full Stack Developer with clear examples of previously completed working projects.
- In-depth knowledge of web and mobile interface and database development including relevant programming abilities in multiple languages.
- Independence, leadership, and problem-solving skills.
- Exceptional organizational skills and attention to detail.
- Excellent interpersonal and communication skills – ability to work in large teams with multiple stakeholders.

Bonus points:

- Experience supporting and working with research and/or clinical teams.
- Previous exposure to healthcare providers, clinical systems, biotech, pharma, or medical devices.
- Experience with managing a large multi-site database.
- Experience in data analysis and signal processing.
- Experience in UX/UI/Front-end product design.

This is a full-time position.

To apply for the position, please submit your CV via email to Mazal Malka at mazalm@bgu.ac.il