BioTraceIT

Python Developer
and Data Protection Officer

Company Description:

BioTraceIT™ values the capacity to improve medical care and interventions by quantifying pain, ultimately impacting quality of life and wellness. We are committed to ensuring that our data and systems are protected and that our infrastructure complies with data protection legislation. BioTraceIT™ focuses on novel technologies at the cutting edge of wearable health care. We deem new solutions as paramount to new paradigms. By measuring pain, we qualify wellness.

Role Description:

BioTraceIT™ is seeking a Python Developer and Data Protection Officer to help us improve our management of potentially sensitive information, carry out regular internal security audits, and act as the main point of contact between BioTraceIT™ and data protection authorities. GDPR implementation experience within Healthcare IoT and medical device data for integration with electronic medical records and individual patient data sources s. The ideal candidate will have expertise in software development including: coding, analytics, EMR, NLP, and medical acumen and an understanding of the complex healthcare systems and treatment areas (common practice and guidelines) as well as a focus on cloud-based infrastructure and big data analytics.

Objectives of this Role:

- Ensure the company's policies are in accordance with General Data Protection Regulation (GDPR) and codes of practice.

- Evaluate the existing data protection framework and identify areas of non or partial compliance and rectify any issues.

- Document policies, and training plans and provide data protection advice and support for our team.

- Inform and advise management on all matters related to data protection.

Responsibilities:

- Provide expert advice and educate employees on important data compliance requirements.

- Draft new and amend existing internal data protection policies, guidelines, and procedures, in consultation with key stakeholders.

- Proactively conduct audits to ensure compliance and address potential issues.

- Maintain records of all data processing activities carried out by the company.

- Hold training with staff members across different business units who are involved in data handling or processing.

- Experience in architecting backend framework, informatics, and data analytics for diagnostics, therapeutics, medical history (EMR integration), activity tracking, speech recognition annotations, and others.

- Defining and implementing an integrated data repository strategy for medical device data, including clustering, concurrent versioning, speech annotation, EMRs, therapeutics, and others,

- Ability to iteratively improve system performance through systematic empirical evaluation.

- Knowledge of techniques for running advanced algorithms in a "big data" and high performance computing environment, including knowledge of the use of GPUs.

- A background in working with ECG-like signals is highly desirable.

- Knowledge of EHR, UMLS classification and coding standards and cTakes a plus.

- Demonstrating excellent partnership and collaboration with other functions within the company to support common initiatives on medical devices.

Skills and Qualifications:

To succeed in this role, you should have the following experience:

- MS or BS in computer science, behavioral science or equivalent 5+ years of experience in application development using Python.

- Experience with Cloud service development and support including Amazon Web Services (AWS), EC2 + VPC (including Launch Configurations and Auto Scaling Groups), S3 + CloudFront, RDS, Route53, IAM, CloudWatch, WPEngine.

- Experience in django framework implementation under GDPR guidelines.

- Knowledge of Linux/Unix, programming and scripting languages such as C/C++, Java, Perl, Shell, MatLab, XML, Visual Basic, HTML, PROLOG, LISP, VoiceXML, Unix shell, and SQL as well as some machine learning frameworks.

- Experience with full stack Java web development, including the following technologies: Java, Spring, Groovy, and Gradle.

- Experience with HIPPA, IHE / HL7 Experience in US, Canada, and European Clinical guidelines for treatment areas understanding the healthcare system, payers, provides, ACOs, and PBMs.

- Experience in design controls and FDA/CAN/CSA / ISO 13485 / IEC 62304 compliant software development.

- Proficiency in the following would be helpful: NLTK, OpenNLP, clearNLP, Hadoop, MapReduce, IDRs and others

- Proven evidence of released applications achieving measurable behavior change in the health or fitness domains.

Notes:
- In order to ensure a prompt and efficient processing of applications, candidates are encouraged to provide, along with their résumé, a detailed covering letter explaining how they meet each of the requirements of this position (education, experience,

language requirements) by providing concrete examples. In addition, the candidate is encouraged to describe in detail when, where and how he/she gained the experience.

- BioTraceIT offers a competitive salary and benefits package.
- The incumbent must adhere to safe workplace practices at all times.
- We thank all those who apply and will make an effort to contact each candidate, however while we appreciate your interest we may be able to only contact those selected for further consideration.

To apply:

Please send your cover letter and resume to **Claire Zopf** at czopf@biotraceit.com with "Python Developer" as subject line.

To learn more about BioTraceIT, please visit https://paintrace.com