Position: **Software Engineer (Back End)**

Our Company
BioTuring is an innovative bioinformatics company based in San Diego. Founded in 2016, the company has developed transformational bioinformatics platforms for sequencing data analysis, enabling scientists to gain valuable insights from biological data in an interactive, fast, and accurate approach. BioTuring helps accelerate life sciences and nourishes computational minds.

Role Description
In this critical role, you'll play a pivotal role in building and maintaining the robust backend infrastructure that powers our innovative bioinformatics platform. You'll collaborate with a team of passionate scientists and software engineers who are constantly innovating to elevate the user experience. Working within this dynamic environment, you'll leverage your technical expertise, analytical mind, and insatiable curiosity to make a significant impact on BioTuring's success and empower the achievements of our clients.

Key Responsibilities
- Work and collaborate with a top-notch team of scientists, bioinformaticians, biomedical researches, software engineers, system engineers to design, develop, and maintain back-end and front-end systems for data intensive applications.
- Implement efficient algorithms and data structures to process and analyze large-scale biological data sets.
- Optimize data storage and retrieval mechanisms for high-performance computing.
- Troubleshoot and debug complex software issues, ensuring the reliability and accuracy of bioinformatics pipelines.
- Stay up-to-date with the latest advancements in bioinformatics and computational biology to contribute innovative solutions to our projects.

Requirements
- Bachelor, Master, or PhD degree in Computer Science, Bioinformatics, or a related field.
- Proven experience as a Back-End Developer, preferably in a bioinformatics or genomics-focused role.
- Strong knowledge of data structures, algorithms, and software architecture.
- Proficiency in programming languages such as Python, Go, NodeJS, or C++.
- Experience with building and maintaining scalable, high-performance backend systems suitable for handling large datasets.
- Familiarity with bioinformatics tools and libraries is a plus.
- Excellent problem-solving skills and the ability to work independently and in a team.
- A passion for bioinformatics and a desire to contribute to scientific progress.

- Ability to thrive in an ambiguous environment, embracing the challenge of building something truly innovative.
- Passion for joining a startup environment where autonomy, a love of learning, and excitement for engineering biology are valued over rigid processes and egos.
- Strong communication and collaboration skills.

We Offer

- Competitive salary and benefits package.
- Lunch prepared by the Company.
- Flexible working hours.
- A collaborative and supportive work environment.
- A chance to learn and grow your career in a rapidly evolving field.
- Insurance benefit (Bao Viet Insurance) for employees after 1 year and above of employment.