

CLC bio's Consulting Practice



Hiring a temporary programmer vs. buying a tailor-made bioinformatics solution

Developing world class bioinformatics solutions is a complex and challenging task, requiring talent, creativity, flexibility, multi disciplinary knowledge, as well as a number of specialists that are world class experts within niche areas of strategic importance to our customers.

CLC bio's consulting concept is to have a large team of consultants, each being an expert within a one or more specific area of expertise, and then harvest the synergies between these individual experts through top class project management and teamwork skills. In this way, CLC bio provides solutions that are of much higher value than those developed by single individuals.

Some of CLC bio's areas of expertise

Project management

Biological expertise

- Microbiology, virus biology, evolution, etc.
- DNA, RNA, and Protein sequence data interpretation
- Biological challenges and workflows relating to next generation sequencing

Data management

- Database design, development, communication and optimization
- MySQL, PostgreSQL, Oracle, Microsoft
- Fast and effective data searches

Graphical design and implementation

- Concepts for user-driven design and development

Laboratory workflows

- Research workflows
- Bioinformatics workflows

Algorithm development and optimization

- Next generation sequencing algorithms
- Algorithms for RNA structure prediction, primer design, etc.
- Gene expression analyses and algorithm implementation
- Statistics

Performance optimization

- High-Performance Computing
- Data structure design and optimization

IT architecture

- Software development methodology and design patterns
- Client/server architecture design and optimization
- Software Deployment
- Web technology, web services, SOAP

Programming

- Java, C/C++, SIMD, Google web toolkit etc.

In our opinion, this is the best way to ensure that our customers not only get just another software application, but an application that is tailor-made and at a quality that ensures our customers the competitive edge that is necessary in today's challenging business environment.

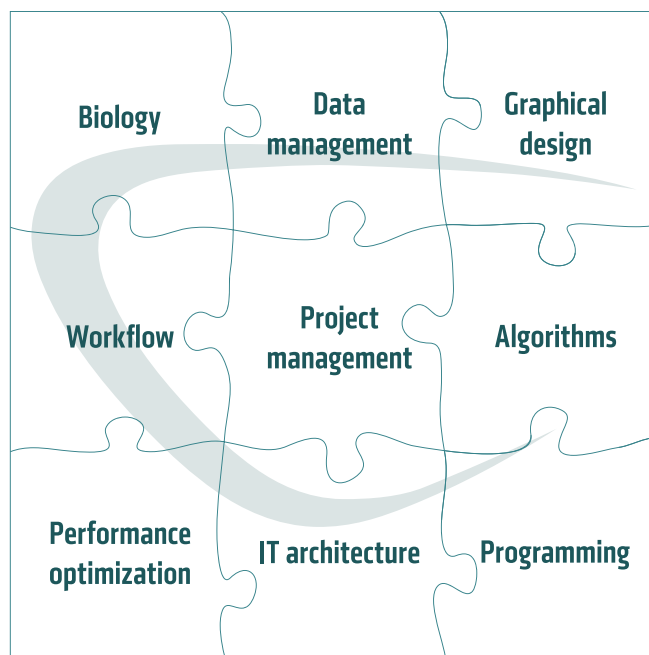
Even in smaller and non-complex projects, we are rarely in a situation where all work is carried out by one person alone.

In today's world of easy communication and flexible ways of developing software, our team of experts works on projects all over the world.

Customers tell us that they like our concept of CLC bio consultants and customer employees working together as a team on the same code base. They say it is the perfect way to optimize consulting costs and getting their employees trained in developing customizations to CLC bio's software at the same time.

In addition to the on-the-job training in the Software Developer Kit, we offer:

- Web based training
- Training at the customer's site
- Training at CLC bio's offices



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