

## **C#.NET Software Developer – Essen BioScience, Ann Arbor, MI**

### **DESCRIPTION**

The mission of Essen BioScience ([www.EssenBioScience.com](http://www.EssenBioScience.com)) is to bring a new generation of tools to researchers in drug discovery and the life sciences. We design and manufacture high-tech instrumentation that is targeted primarily for use in the biotechnology industry. The founders of Essen BioScience are the inventors of the FLIPR™ high-throughput screening (HTS) system as well as the IonWorks™ HTS electro-physiology measurement platform. The IncuCyte™ is one of Essen's most mature instruments: it is an imaging microscopy device that makes non-invasive measurements of living cells during their growth cycle. This flexible instrument platform is growing in a number of new directions.

### **RESPONSIBILITIES**

Several of our instruments, including the IncuCyte™, operate with a client-server architecture and require a combination of programming skills. In the near term, Essen BioScience seeks C#.NET developers to join the IncuCyte™ application team responsible for the User Interface and client/server model (implemented using ASP.NET web services) with persistence in SQL Server. The application team also interfaces with hardware control and image processing code. Not only would you develop new user interface features and client-server methods, but you would also work in collaboration with our embedded software engineers on the server side, where responsibilities would include SQL database programming. In the long term, your responsibilities will grow as support for new instrument and image-analysis functionality is required.

### **QUALIFICATIONS**

#### **REQUIRED**

- ❖ B.S. in Computer Science, Computer Engineering or equivalent
- ❖ C#.NET experience
- ❖ Strong understanding of Object-Oriented Programming
- ❖ Authorization to work in the US

#### **PREFERRED**

- ❖ VisualStudio 2010 / .NET 4.0
- ❖ WinForms
- ❖ ASP.NET Web Services / Windows IIS
- ❖ Database design and relational modeling
- ❖ LINQ
- ❖ Image graphics (conventional as well as GPU-based)
- ❖ .NET Interop (COM)
- ❖ Unit Testing
- ❖ Client/Server application experience
- ❖ Installer experience (NSIS in particular)
- ❖ Other languages: C++, XML

## **QUALITIES OF A GOOD CANDIDATE**

- ❖ Desire to work in a small business environment
- ❖ Ability to contribute immediately
- ❖ Resourceful problem solver
- ❖ Developer of maintainable and reusable code
- ❖ Innovative and creative designer of user interfaces
- ❖ Efficient coder
- ❖ Strong work ethic / Takes pride in high quality work
- ❖ Good people skills
- ❖ Solid communicator
- ❖ Ability to work with limited supervision

## **WHY ESSEN BIOSCIENCE?**

Established in 1999, Ann Arbor based Essen BioScience is a small company that enjoys a worldwide customer base and has experienced steady growth over its 12-year history. Essen BioScience has consistently followed a customer-driven philosophy in the development and support of its products. The result is a company that does not grow for growth's sake, but grows to fit the needs of its products and their ever-expanding customer base. This is a refreshing and sane business model that has led to success and stability.

Essen BioScience chooses to work on cutting edge technologies. This creates an exciting workplace as we conceive, design, build, test, and deploy new instrument packages. It is a dynamic and stimulating environment that blends youth and experience to create a tight-knit staff. At a company of this size you will be able to experience all aspects of the development cycle, from conception to product release, and to take ownership in those areas to which you contribute. The software team is small, experienced, interactive and supportive. Because interaction with the software team and the instruments themselves is important, our developers work on site during core business hours. Nonetheless, the environment offers a certain amount of flexibility in your work schedule, so we can tune your hours to maximize your productivity.

## **CONTACT**

Interested applicants should forward resumes to [seldin@EssenBio.com](mailto:seldin@EssenBio.com)