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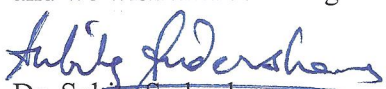
Job Reference

for Mr. Daniel Peppicelli

Daniel worked within our software development team as an intern from 12 March 2007 to 12 September 2007. He was mainly involved in the development of software products called the Algorithm Testing Framework (ATF) and 'adapt.' These are used for analysis of Polymerase Chain Reaction (PCR) curves.

The main part of Daniel's work was the development of components within the above mentioned ATF. This application was developed in the Microsoft .NET framework with C# as a programming language. A special focus was set on the architecture where he followed the Model-View-Controller (MVC) pattern while designing and implementing core modules of the ATF. Daniel quickly learned the Microsoft Visual Studio .Net development environment as well as the business needs. He then applied his new knowledge to solve several challenging technical problems. One of his impressive accomplishments during this short time included rewriting much of the database fuctionality in Microsoft SQL 2005 and optimizing it for enterprise use.

During this time, Daniel worked closely with all team members and stakeholders to re-architect the business and interface logic. Daniel's role was critical in this effort. He proposed wonderful new ideas and worked with the team successfully to implement the agreed upon solutions. In doing this, Daniel was involved throughout the entire software design process. He provided valuable feedback to the business requirements and was able to write the Software Requirements Specifications, System Design Specifications and Software Architecture Documents, in addition to serving as a member of the Change Control Board. He made high quality contributions at all layers (presentation, business logic, persistence) to improve the robustness of the application framework.

Daniel frequently used IBM-Rational development tools such as RequisitePro, ClearQuest, as well as Microsoft Visual Studio and other third party tools for his daily tasks, as these tools are used in our software development and change management process.

We are very satisfied with all aspects of Daniel's contributions during his internship and we wish him contining success in his professional career.

Dr. Subita Sudershana
Head of Software Development

Dr. Christoph Loeffler
Head of Systems and Software
Development

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