

# TECHNOLOGY IN ACTION

REAL-TIME DEMOS SHOW  
THE POWER OF AZURE  
MACHINE LEARNING AND  
FPGA TECHNOLOGY



diamondsolutionsgroup

## PARTNERING WITH MICROSOFT AND JABIL TO INCREASE PRODUCTION

Diamond Solutions Group and Microsoft partner with Jabil to increase production using FPGA cloud Services.

Jabil, one of the most technologically advanced manufacturing companies on the planet maintains rigorous standards of quality and control. Today Jabil identifies manufacturing defects in electrical components using human judgment, one set of photographs at a time. What if Jabil could analyze thousands of photographs at a time using deep learning? Now they can use Azure Machine Learning Accelerated Models powered by Microsoft FPGA technology.

Diamond Solutions Group partnered with Microsoft to build a real time demonstration of this technology in action showing the power of Azure Machine Learning and FPGA technology.

### TECHNOLOGIES USED:

<b>FRONT END FRAMEWORK:</b>	Angular SignalR
<b>BACK END TECHNOLOGY:</b>	ASP.NET Entity Framework ASP.NET Web API .NET 4.6
<b>SOURCE CONTROL:</b>	Git
<b>WEB SERVER:</b>	IIS
<b>HOSTING PLATFORM:</b>	Azure

