This work summarize available information about IBM Cell/B.E. architecture to let the reader create a necessary overview for programming for this architecture. Practical information are based on development of an application that implements nontrivial image processing algorithm, sparse field level set segmentation. Next section contains description of the application development and associated problems solving. The work compares common and Cell B.E. architectures and describes conditions necessary for creation of an effective Cell/B.E. application. The work also contains brief procedure of the most important development tools installation. This procedure has to prepare everything necessary as fast as possible and thus to shorten the duration of the preparation phase to let the reader to start development.