1. What were the primary contributions of the paper as the author sees it?
2. What were the main contributions of the paper as you (the reader) see it?
3. How does this work move the research forward (or how does the work apply to you)?
4. How was the work validated?
5. How could this research be extended?
6. How could this research be applied in practice?

The primary contributions of this paper is that

This research paper talks about the problems faced by the software engineering community at the time of writing the article and actions that were underway to solve these problems at that time. With the increasing amount of hardware available to software developers, it was now possible to build anything that you could think of. However, it was extremely difficult for people to get it right in the first try and the success rateof the new systems was low. This leadsto projects dragging on for a lot of time and going over budget. In order to avoid it,the Capability Maturity Model was come up with that rated the quality of the procedure with which a company produced software which was used by companiesto improve their benchmarks. Formal methods, prototypes and thorough unit testing of a module were methods used to catch bugs as soon as possible. No such technological breakthrough is in sight to improve productivity/ output of software developers. Offshoring projects to India was another way to save costs and trying to compe up with a method to sell/distribute software over the internet were also discussed in the article. In conclusion, it highlights the importance of rigorously training software engineers in best practices that cause early detection of bugs.

According to me, this paper is more informative about the problems faced by the software industry then and the steps being taken to solve them. It reiterates the efforts being made by the community rather than suggesting any of its own solution to the problem. Some solutions being pursued also havent been validated whether they will cause any improvement or not.

This paper gives a picture of the state of the software industry then which researchers could use to gain an accurate understanding of where things are going wrong. This could provide impetus for new research ideas culminating from collaboration between industry and academia, the lack of which was pointed in the article. It reiterates the importance of techniques like agile development, provinding web services etc that were advocated for very early and are extremely popular nowadays.