



## **Expertise and innovation results Jos van Rooyen**

Who is Jos van Rooyen:

Jos van Rooyen is owner and principal consultant testing at Huis voor Software Kwaliteit. He is working in the industrial field of quality engineering since the 1990's. He is working for major clients in different branches inside government and industries. He is experienced in multiple disciplines of software testing, such as test policy, test management, quality orchestration, test automation and testing of packaged based software.

He started his career in healthcare where he was responsible for the implementation of a new healthcare information system.

The main question at that time was how to test the new software? In those days it was unknown how to approach testing of such new information systems. The ultimate answer was; "with paper and pencil".

From that point on, Jos developed a huge interest in the field of quality engineering and was/is involved in many initiatives.

The main approach was always about how to solve problems which were faced running projects. From these insights, a lot of solutions were developed during the last 30 years and the interest of Jos was further developed. Not only to collect answers on subjects but also to publish about these solutions via presentations, articles and books (9). See also the separate list regarding presentations and publications.

Jos is not only working into projects but also participates in:

- Dutch testing society as secretary
- Chairman of several working committees like future of software testing, testtool management
- Member of the review board Valid conference
- Expert at online newsletter Computable
- Graduation supervisor

### **Main topics of innovation results:**

#### **Education of quality engineering inside the curricula of universities of applied sciences.**

Together with members of the university and industry a curriculum was developed regarding quality engineering. The work was done over the past 10 years. The main result is that quality engineering is a part of the education program of the universities of applied sciences. Also, a special program is developed (minor) where students learn the basic principles of software quality in 4 months' time.

**Test processes:**

Developing standard test processes / methodologies which provide answers how to prepare, execute and manage software test projects.

Also, initiative was taken to develop the definition of test policies. How to secure a test methodology inside a company.

**Quality Orchestration:**

Developing the orchestration of quality. Answers on questions such as: How to manage vendors regarding the delivery of quality-based software. How to secure a successful implementation of new or adapted information systems. This leads to a standard approach written down in a few books that explain the way of working.

**Test automation:**

A lean test approaches regarding the speeding up of test via test automation was developed based on a test automation architecture. This leads to several presentations and articles and the approach is written down in a book. Based on this approach, a certification scheme is developed.

**Other initiatives:**

- Involved in publications regarding business intelligence
- Involved in publications regarding packaged based software
- Setting up competence center several consultancy firms

**Future work:**

- Developing an expert level minor software quality engineering
- Developing a test approach for repeatable test automation building blocks
- Brainstorming about the future of quality engineering