

TEODORA BOZHEVA

PROFESSIONAL SUMMARY

Teodora is a qualified professional in Software and IT Six Sigma, Software Process Improvement (SPI) and Project Management. She is Six Sigma Black Belt trained and certified by Systonomy. Teodora has been applying Six Sigma for Software for a year and a half. She is conducting a six sigma project on the testing area of DIBAL, one of the largest developers and producers of digital scales in Europe. She is also applying selected six sigma techniques in the definition of the standard processes of organizations implementing CMMI.

Teodora is actively participating in all ESI activities having the objective to increase the awareness of the IT companies about Six Sigma for Software and IT. This involves development of presentation materials and giving Six Sigma Overview courses, seminars, speeches at SPIN group meetings and conferences.

Teodora has deep knowledge in software methodologies, plan driven and agile ones, and practical experience in applying them in real life projects. She joined ESI in 2001 and has since then has been taking part in a number of software process improvement related services. In particular she performs class B and C appraisals and provides support to the implementation of process improvement programs based on CMMI in client's organisations.

Previously, Teodora was deeply involved in the definition of the organisation standard process at Nemetschek AG and was responsible for the implementation and deployment of the improvement initiative in Nemetschek - Bulgaria.

She has lead software development projects for 11 years in different business sectors: banking, facility management, civil engineering, document management. She has been involved in 8 project applying agile methods.

Teodora has strong experience in teaching professional courses in the IT domain. She is authorized by the Software Engineering Institute to teach the *Introduction to CMMI-DEV* and the *Acquisition Supplement for CMMI-DEV* courses. Additionally, Teodora conducts workshops and seminars on different subjects in the software and IT field: Measurement and Analysis, Project Management, Requirements Engineering.

Teodora's recent experiences include:

- Conducting as a Six Sigma Black Belt the project at DIBAL, focussed on the testing activities
- Training Six Sigma Overview course of ESI
- Consulting and appraisal services to ESI Clients (DIBAL, Comex, Caja Duero, Musala-Bulgaria, MPS-Bulgaria, BIS-Romania)
- CMMI-DEV and CMMI-ACQ related trainings

EDUCATION

- Software Six Sigma Black Belt Certified by Systonomy
- SEI Authorised Instructor for *Introduction to CMMI-DEV* and *Acquisition Supplement for CMMI-DEV*
- ITIL Foundations Certified by ITSMF
- Master in Project Management, Certified by Brainbench
- M.Sc. in Computer Science from Sofia University, Bulgaria

Professional Training

- Service Quality Management ISO/IEC 20000

LANGUAGES

- Teodora speaks Bulgarian, English, Spanish and has certain abilities in Russian.

PROFESSIONAL EXPERIENCE

EUROPEAN SOFTWARE INSTITUTE – TECNALIA, BILBAO, Mar 01– Present SPAIN

Senior Consultant / Project Leader

Teodora's recent involvements are mainly related to Six Sigma for Software and IT. She is currently conducting a six sigma project in DIBAL focused on the testing activities. With companies implementing CMMI she is working on integrating appropriate six sigma techniques in their process definitions. She also develops relevant materials and gives six sigma overview seminars, awareness speeches and presentations at conferences.

Teodora conducts Class B and C appraisals based on the CMMI model and provides support to the ESI clients on the implementation of their process improvement programs. In addition she teaches *Introduction to CMMI-DEV* and the *Acquisition Supplement for CMMI-DEV* courses and gives workshops and seminars on different subjects in the software and IT field: Measurement and Analysis, Project Management, Requirements Engineering.

Teodora has been a Project Leader of European Commission's programmes R&D projects in the field of the Agile Methodologies.

- The AGILE project (Agile Software Development of Embedded Systems, 2004-2006) awarded the Silver ITEA Achievement Award
- The eXPERT project (2002-2003) nominated by the European Commission as best managed project within its call (FP5 IST-2001)

Recent Assignments (related to Six Sigma)

DIBAL, Derio, Spain – Mar 09 – Present

A six sigma project focussed on increasing the efficiency of the testing process, reducing the number of defects in the commercial class scales developed and produced by DIBAL and improving the satisfaction of DIBAL's clients.

Grupo Comex, Zaragoza, Spain – Feb08 – Present

Conducting a process improvement project based on CMMI for achieving CMMI ML3. Integrating various six sigma techniques in the definition and implementation of a number of processes: Measurement and Analysis, Risk Management, Requirements Development and Management, Decision Analysis and resolution, Organisational Process Focus, Monitoring and control of all processes.

Musala, Sofia, Bulgaria – Sep 08

A workshop on Six Sigma and its integration with CMMI.

Teaching and awareness activities related to Six Sigma:

- Teaching the Six Sigma for Software and IT: How to solve problems and save money course (May 09)
- Six Sigma Overview workshop, Madrid (Jul 09)
- Presentation of Six Sigma for the SPIN Group in Sofia, Bulgaria (Sep 08)

NEMETSCHEK, BULGARIA

Mar 99– Feb 01

Project Manager

She lead a project for development of a Computer Aided Selling product that served real estate sales people to show their customers flats and prefabricated houses as well as to reasonably modify the architectural design of the houses, furniture them and issue appropriate documents and reports about deals.

Additionally, as a Manager Processes and Standards she was involved in reengineering the Software Development Process (SDP) at Nemetschek AG based on CMM, and was responsible for installing it at the Nemetschek branch in Sofia.

BUSINESS SECTOR: Civil Engineering, Document management

SKALASOFT, BULGARIA

Mar 96– Feb 99

Project Manager

Leads a programming team of 5 people and supervised the development of database applications from requirements specification, through design and implementation to final release, ensuring the overall quality and timely delivery of the products.

BUSINESS SECTOR: Banking, Facility Management

Teaches Neural Networks to graduate students, as well as Programming in Artificial Intelligence, and Functional and Logical Programming Languages to undergraduate students.

AWARDS

- Silver ITEA Achievement Award for the management of a work package of the AGILE project (Agile Software Development of Embedded Systems, 2004-2006)

PUBLICATIONS

- Six Sigma practices to move from ML2 to ML3, Teodora Bozheva, SEPG Prague 2009
- Mejora de procesos organizativos: análisis estadístico, Teodora Bozheva, Izaskun Santamaria, Iñaki Martínez de Marigorta, SEPG Argentina, 2008
- Defining Agile Patterns, Teodora Bozheva, Maria Elisa Gallo, Chapter in the Rationale Management in Software Engineering book, Dutoit, A.H.; McCall, R.; Mistrik, I.; Paech, B. (Eds.), Springer, 2006
- Framework of Agile Patterns, Teodora Bozheva, Maria Elisa Gallo, European SPI Conference, 2005