Curriculum Vitae
ÖMER ERTEKİN

Profession	**Systems Engineer/Project Manager**
Date of Birth	01.06.1969
Nationality	Turkish
E-mail	omerertekin@hotmail.com
Mobile	+90 533 6441670

Summary

Over 17 years of Systems Engineering and Integration experience with emphasis in Requirements Management / Systems Integration / Closed Loop Verification through all phases of life cycle development in Software intensive Systems; Configuration Management; Information Technology, Telecommunications Industries, Aerospace and Defense Industries.

Knowledge of Systems Engineering Standards (EIA-632, IEEE 1220). Familiarity with Systems Engineering tools, system design and analysis activities. Develop and maintain system level architecture design documents as required, performing technical risk analysis as required. Planning the technical execution of the project. Statusing progress (cost and schedule) of the project.

Work Experience

11.2009-06.2011   OTOKAR Defense and Automotive Industries   SAKARYA, TR

E/E Systems Integration Manager

- Turkish Main Battle Tank Project, Responsible for all the Mission Systems (i.e. Fire Control System, Command and Control System etc.)
  - E/E Subsystems integration onto Main Battle Tank
    - C3I
    - Fire Control System
    - Active Protection System
    - Battlefield Target Identification System
    - Gun Turret Drive System
    - Local Situational Awareness System
    - Driver Sights System
    - Remote Controlled Weapon Station
    - Laser Warning System
  - Vehicle Electronic Architecture (VETRONICS)
  - Requirements Management, Functional Analysis and Integration
  - HMI Analysis and Integration

05.2007-11.2009   Dornier Consulting Engineering and Services GmbH   Sindelfingen, DE

Senior Systems Engineer

- EU FP6 COOPERS Project
  - Test Concept and Specifications Development
  - Test Bench Design
- Do.ITEM
  - Project Management and System Design of Integrated Test Management Portal do.ITEM
  - Implementation of do.ITEM with United Planet "Intrexx Xtreme Portal Manager", PostgreSQL, and ASP
- Hyundai AUTONET Baseradio
  - Requirements Management
  - Test Case Development

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09.2006-01.2007   Ankara University   ANKARA, TR

Part Time Lecturer "Introduction to Systems Engineering"

11.2002-05.2007   HAVELSAN   ANKARA, TR

Systems Engineering Sub Projects, Project Manager for Turkish AEW&C Project.

Established a systems engineering department to max 80 engineers, developed all the related plans and processes for the systems engineering activities.

- Responsible for the Systems Engineering Management Team
  - Integrated Planning (IMP, IMS, WBS, EVMS)
    - Development of IMP, IMS and WBS based MIL-HDBK-881
    - Customization of EVMS to the project facts (using man months as cost and materials as weighted milestones)
  - Process Development and Quality Management
    - Definition and Implementation of Processes based on Boeing's systems and software engineering processes, RUP, EIA 632, IEEE 1220, MIL-STD-498 and IEEE 12207
    - Management in project quality reviews
  - Data and Configuration Management Planning
  - Metric Planning and Management
    - Definition and Implementation of Metric Collection System
  - Risk Management
    - Definition and Implementation of Risk Management System
- Responsible for the Systems Analysis and Design Team
  - Tool evaluation and selection
    - Popkin (than Telelogic and now IBM) System Architect
    - Vitech CORE
  - Requirements Management with DOORS
  - OO Systems Analysis and Design with UML
    - SSS, SSDD
  - Interface Management
    - ICD, IDD
  - Specialty Engineering Analysis
    - R&MT
- Responsible for the Integrated Logistics Support Team
  - LSA
  - Technical Publication
  - Training
- Responsible for the Systems Test and Evaluation Team
  - SW Development and Systems Integration Laboratory Design, Installation and Operation
  - Test Planning
  - Test Procedure Development

05.2002-11.2002   BASARI ELEKTRONIK   ANKARA, TR

Mobile Data Communications Systems, Project Development Manager

- DISBANK Money Transfer Tracking System
  - System Design

- ➢ Provided management of team resources and project activities for development. Coordinated activities of local team and provided liaison with corporate partners. Provided weekly status to senior management on development progress, issues, action items and closure activities.
- ➢ Coordinated customer relations
- ♦ POAS Vessel Tracking System
  - ➢ System Design (Client-Server with ORACLE) and Project Management.

02.1999–05.2002   BASARI ELEKTRONIK   ANKARA, TR

Mobile Data Communications Systems, Systems Engineering Team Leader

- ♦ Developed GIS Application with MAPINFO MAPX4.50 ActiveX component and VB60
- ♦ Senior systems engineer for on-board computer and Dispatch Center Software, prepared test procedures and evaluated tests
  - ➢ Studied ETSI GSM standards and prepared software for SMS test applications, prepared system design document, defined air interface protocol, software modules, communication between software modules,
  - ➢ Defined hardware block structure, defined memory requirements, external ports
  - ➢ Prepared test procedures and automated test software with VB6.0
- ♦ Designed and Developed Dispatch Center Software by Microsoft Visual Basic 6.0
  - ➢ Collected and analyzed information about dispatch centers, prepared system design according to the customer requirements
  - ➢ Prepared tables on MS SQL SERVER and developed the software
- ♦ Developed Nokia Smart Messaging software by Microsoft Visual Basic 6.0
  - ➢ Studied smart messaging specification, prepared system design document
  - ➢ Developed the software
- ♦ Prepared the system design Document of WEB based vehicle tracking system
- ♦ Prepared the system design Document of Location portal.
  - ➢ Studied similar location portal sites and map technologies and prepared system design document all the page and query structures
- ♦ System Design and software development (Client/Server) with MAPINFO MAPX4.50 ActiveX component and VB60 for the 112 (Emergency Services) project.
- ♦ Developed PDA Software with evb3.0 for the 112 project.

11.1995–02.1999   ASELSAN INC   ANKARA, TR

Mobile Communication Systems, Senior Systems Engineer

- ♦ Conceptualization of JEMUS (Gendarmerie Integrated Communications System) Project for Turkish Gendarmerie
  - ➢ Prepared educational materials to motivate the people to ASELSAN's Solution. (I have prepared a detailed report for the second-generation PMR (TETRA, TETRAPOL, APCO25, GEOTEK FHMA, and EDACS) technologies to guide the decision-makers for the future R&D strategies in ASELSAN.)
  - ➢ Provided leadership for the analysis, coordination, tracking, and accountability of project-wide requirements
  - ➢ Provided key requirements management and impact analysis support. Drafted key requirement documents
- ♦ Senior System Engineer for Digital Radio System Project (according to ETS 300 113) for TSK
  - ➢ Studied digital radio communications systems and technologies and prepared systems design document.
  - ➢ Provided key liaison between business and development in translating high-level business requirements to technical requirements for development. Chaired Joint Requirements Planning meetings to review requirements, resolve issues, achieve consensus, and provide final version for turnover to development. Developed Specification and GUI designs.
- ♦ Systems Engineer for Mobile Data System over MPT1327 Trunking Radio System

Curriculum Vitae
ÖMER ERTEKİN

- ➢ Studied MPT1327 Short Data Service and MAP27, prepared system design document for AVL, database query and messaging applications.
- ➢ System design with SDL
- ♦ Systems Engineer for Mobile Data System over Conventional Radio according to ETS 300 471 and ETS 300 230
  - ➢ Studied ETS 300 471, ETS 300 230, applications and data structures and prepared system design document
- ♦ Designed and implemented conventional to Trunking gateway Hardware
- ♦ Test engineer for Conventional Radio System according to ETS 300 086
  - ➢ Studied ETS 300 086, conventional radio services, tone and signaling structures, prepared test procedures and evaluated tests.
- ♦ Test engineer for MPT1327 trunking Radio System
  - ➢ Studied MPT1327, MPT1343, MPT1352 and MAP27, prepared test procedures, evaluated test with Marconi 2945 radio communications test set.
- ♦ Participated to the ETSI activities on Mobile radio and TETRA

07.1992–07.1994   TURK TELEKOM (GOV)   KUTAHYA, TR
- ♦ Network Engineer
  - ➢ Prepared cable Network Projects
  - ➢ Consulted and Controlled Network Installation

Education

1987–1992   HACETTEPE UNIVERSITY   ANKARA, TR
- ♦ BSc. EE (Major: Telecommunications), Cumulative GPA: 3.40 (4.00), graduated with 4.th degree

1987–1992   Yenimahalle Technical High School   ANKARA, TR
- ♦ Technician, Electronics

Additional Courses

- ♦ Internal Auditing, ASELSAN, Ankara
- ♦ SDT, Telelogic, Ankara
- ♦ Advanced Visual Basic 6.0, TEPUM, Ankara
- ♦ Introduction to Java programming, Ankara
- ♦ Object Oriented Analysis and Design, METU SEM, Ankara
- ♦ Project Management, PMI, Ankara
- ♦ Requirements Management with DOORS, Telelogic, ANKARA
- ♦ Process Development, TSE, Ankara

Computer Skills

- ♦ MS Office
  - ➢ Word, Excel, PowerPoint, Visio, Project
- ♦ Programming Languages
  - ➢ VB 6.0
- ♦ Databases
  - ➢ SQL Server, Oracle, PostgreSQL, Access (used and administered as VB/ASP developer)
- ♦ CASE
  - ➢ Telelogic DOORS, Popkin Systems Architect, Sparx Systems Enterprise Architect

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ÖMER ERTEKİN

Languages

- Turkish :   Native
- English :   Fluent
- German :   Beginner

Achievements

- Received Scholarship from TKI based on educational success while attending Hacettepe University (www.hun.edu.tr)
- Frequency spectrum management for the government paper (http://www.tuena.tubitak.gov.tr/pdf/fsyt_t01.pdf)
- Mobile data communications systems and WAP for beginners book (http://www.hayatyayinlari.com.tr)
- Established INCOSE (International Council of Systems Engineers) Turkey Chapter

Skills

- Project Management Methodologies,
  - PMBOK (with DOD Extension), IPPD, MSProject2002, EVMS, WBS, Scheduling, MIL-HDBK-881, Development of Mobile Information System Projects, Project Management / Systems Engineering and Support Processes, BPMN
  - IPMA Level C certified
- Systems Engineering
  - Systems Engineering Management, Requirements Management, Systems Design, Systems testing and integration, LSA, IEEE-1220, EIA-632
- Software Development
  - VB6.0, MAPINFO MAPX, SQL SERVER, ORACLE, MIL-STD-498, IEEE12207, RUP
- Radio and Mobile Data communications
  - Knowledgeable of radio communications technologies such as voice coding, modulation, multiple access and digital signaling, MPT1327 trunking radio protocols, TETRA, Community Repeater systems.
  - Mobile data over PMR, SMS, GPRS

Interests

- Reading Books
- Cooking
- Systems engineering (founder of Turkish chapter of INCOSE)

Founder and President of INCOSE Turkey