

Curriculum Vitae

Mohammad (Mehrab) Nosratbakhsh

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Profile

ISA-certified professional manufacturing & logistics systems engineer with a demonstrated experience in integrated information systems within steelmaking and automotive industries, with a range of responsibilities from systems analysis and design engineer to project manager. Highly skilled in systems analysis, design, verification, implementation, deployment, and maintenance, with in-depth knowledge in manufacturing, quality management, and inventory control, proficient in using the related software.

Key Skills

Team-oriented individual with the ability to lead a team or work as a member of a team with excellent interpersonal & communication skills, capable of cooperating with people at all levels. Self-motivated and pragmatic motivating others, committed to agreed targets and capable of working under pressure with a proven ability to deliver results on time. Experienced in Scrum & RUP frameworks. Looking for new challenges.

Education

2011, **MSc, Industrial Engineering**, Sharif University of Technology, Tehran, Iran

- ❖ MSc Thesis: “Expert Information System for Computer-Aided Process Planning with an Integrated Data Structure based upon the STEP Standard”

Supervisor: Prof. M. Houshmand

2003, **BA, English Translation**, Allameh Tabataba'i University, Tehran, Iran

1997, **Diploma, Physics & Mathematics**, Azadegan High School, Gorgan, Iran

Professional Certificates

ANSI/ISA-95 (Enterprise-Control System Integration)

ISA Europe, Eindhoven University of Technology, the Netherlands, 2016

HSE (Health, Safety & Environment)

FANAP Co., 2016

Business Process Modelling with BPMN 2.0

FANAP Co., 2015

ISO/IEC 27001 (Information Security Management System), Functions & Requirements

Automotive Industry Research & Innovation Centre (SAIPA), 2013

ISO 9001 (Quality Management System), Functions & Requirements

Automotive Industry Research & Innovation Centre (SAIPA), 2012

Professional Experience

2019- Present, FANAP Co., Iran

Director of ISA Standards System Compliance Audits & Certification Training Courses

My responsibilities include:

- ❖ Administer ISA-88, ISA-95, and ISA-99 standards certification training courses
- ❖ Teach ISA-88 and ISA-95 standards certification training courses
- ❖ Audit the corresponding features of FANAP ERP with aspects of ISA-88 and ISA-95 standards
- ❖ Suggest enhancements for FANAP ERP regarding aspects of ISA-88 and ISA-95 standards
- ❖ Emphasize best practices of enterprise-control system integration during the entire ERP life cycle

2015-2019, FANAP Co. ERP Project, Iran

Head of Manufacturing Management, Manufacturing Execution (MES), & Quality Control Systems Team

Achievements: Within the ERP project, the Manufacturing Management, Manufacturing Execution (MES), & Quality Control systems were analysed, designed, developed and verified from A to Z, and were successfully implemented and deployed in a steelmaking enterprise in Iran, and are currently operational. All the phases were approved by POSCO ICT consultants as project supervisors.

My responsibilities included:

- ❖ Manage the entire life-cycle of manufacturing management, manufacturing execution (MES), & quality control systems of FANAP ERP solution, including system analysis, design, development, implementation, deployment, & maintenance
- ❖ Supervise & implement the integration of manufacturing & quality control systems within ERP
- ❖ Directly supervise producing analysis documents of manufacturing & quality management systems of FANAP ERP solution, comprising business process diagrams (BPMN) & definitions, and UI prototypes
- ❖ Train, mentor & supervise system analysis & deployment engineers
- ❖ Plan system development process within scrum sprints, supervise clarification of analysis documents for developers, and verify the system after being developed
- ❖ Manage client relations & services including system approval, system implementation & training, new requirement identification, and bug fixes
- ❖ Leverage resources among the project phases, identify and develop corrective action plans

2014-Present, Aras Dezh Construction Co., Iran

Member of the Board

Summer & Fall 2014, SAIPA Investment Group & Namco (Mega Motor), Iran

ERP Consultant

My responsibilities included:

- ❖ Advise on system requirements identification of company
- ❖ Advise on of ERP solution selection criteria

2013-2014, Carane Resource Planning Systems, Iran

System Analysis & Design Specialist (Manufacturing & Logistics Systems)

My responsibilities included:

- ❖ Control the life-cycle of manufacturing management, manufacturing execution (MES), inventory management, & quality control systems of Carane ERP solution, including system analysis, design, development, implementation, deployment, & maintenance
- ❖ Produce analysis documents of manufacturing, inventory management, & quality control systems of Carane ERP solution, comprising business process diagrams & definitions, and UI prototypes
- ❖ Clarify analysis documents for developers, and test & verify the system after being developed
- ❖ Provide client services including system implementation & training, new requirement identification, and bug fixes

2012-2013, Automotive Industry Research & Innovation Centre (AIRIC), SAIPA, Iran

PLM Analysis Project Manager

My responsibilities included:

- ❖ Provide SAIPA Product Development System process map using BPMN 2.0
- ❖ Identify PLM system requirements of company
- ❖ Identify management information system requirements of company
- ❖ Train, mentor & supervise analysis team engineers

Fall 2010, Ta'min Medical Holding Co., Iran

Team Head; Feasibility study of manufacturing PG in Iran

Spring & Summer 2010, Technosoft Ariyan Co., Iran

Team Head; Analysis & customization of the manufacturing system of ERP for automotive industry

Fall 2009 & Winter 2010, Bahman Motor Co.

Team Head; Analysis, design, & implementation of the manufacturing MIS

Fall 2009, Sharif University of Technology, Supervisor: Prof. Farhad Kianfar

Seminar; Lean Production in Iranian automotive-manufacturing companies

2003-2004 & 2006-2007, Aras Dezh Construction Co.

Construction Project Manager

Computer Skills

Modelling Language: UML, BPMN

Modelling Software: Rational Rose, GUI Design

Programming Language: PL SQL, Step5 (Siemens PLC programming)

Solid Modelling: CATIA

Project Control: Primavera

MS Office: PowerPoint, Visio, Excel, Access, Project, Word

Language

Persian: native

English: Proficient (Academic IELTS Band Score of 8)

Part-Time Instructor of IELTS, TOEFL, and Advanced General English courses (1996-2007)

Professional Expertise & Interests

Manufacturing Execution System (MES)

Enterprise Resource Planning (ERP)

Product Life-Cycle Management (PLM)

Computer-Integrated Manufacturing (CIM)

System Analysis & Design

New Product Development

Journal Papers

Submitting, M. Nosratbakhsh, M. Houshmand, O. Fattahi Valilai, "Expert Information System for Computer-Aided Process Planning based upon the STEP standard Integrated Data Structure", International Journal of Computer-Integrated Manufacturing (ISI)

Conference Papers

2011, A. Haji, A. G. Zare, M. Nosratbakhsh, "Optimum Ordering Policy for Vendor in 2-Echelon Inventory System with Discrete Demand", IESM, Metz, France

Interests, Hobbies & Honours

Non-profit charity activities

Electric Guitar & Vocals

Literature

Basketball

❖ Former Member of University Basketball Team

❖ First Prize Winner in Schools Basketball Championship (Gorgan, 1993)

Amateur Skill in Football, Swimming, Tennis, and Boxing