

Resume of Jorge C. Gonzalez-Sustaeta, MSCS

Career Objective

Providing consulting and project leadership services for the analysis, integrated solution design and implementation for the development of industrial and technical management processes, their automation and their control, with emphasis in Computer Based Systems and Information Technologies.

Experience Summary

More than twenty five years of experience in project leadership of both system and application software development; analysis of medium and large, complex and multidisciplinary problems, mainly in the Electrical Power Industry; scheduling, staffing and project leading of complete development life cycles.

More than thirty years of experience in systems and software development, working for companies in Sweden (ABB, former ASEA AB), Mexico (IIE) and the United States (Tandem Computers and Hewlett-Packard), building knowledge and experience in areas like real-time systems control, control centers for energy management in large power networks, technical processes automation and workflow control, large systems assets management, geographical information systems.

Applications of new technologies like voice over IP, virtualization of data centers and application servers, cloud computing.

Professional Skills

- Project scope negotiations with upper level of management. Technical negotiations of medium and large, complex systems, interacting in multidisciplinary and multicultural environments.
- Data Modeling: Entity-Relationship, object oriented and multidimensional models. Design and consulting experience with databases, data warehouses and operational data stores.
- Software Engineering: life cycle models, structured and object oriented methods; quality assurance (IEEE standards and ISO 9000).
- Human-Computer Interaction: ergonomic and cognitive aspects.
- Programming Languages: C, Eiffel, C++, Java, JavaScript, Perl, PHP.
- Operating Systems: Linux, Unix, Windows 9x and NT and others.
- DBMS: Informix, Oracle, MySQL, Postgres, Datanucleus (Google App Engine).

Education

Degrees:

- BSEE Grenoble University, France, 1974.
- MSCS ITESM, Mexico, 1984.

Other Courses and Training:

- Mathematics and Physics. Grenoble University, France, 1974-1975.
- Mathematics for Engineers. TBV, Vasteras, Sweden, 1978-1979.
- Computer Based Process Control. ASEA, Vasteras, Sweden, 1978.
- On-line Transaction Processing Systems. Tandem Computers, Cupertino, CA, USA, 1990.
- Zero Latency Enterprise Architecture. HP, Cupertino, CA, USA, 2003.

Special Achievements

- Full scholarship from the French Government to College.
- Full scholarship from Banco de Mexico to Graduate School. MSCS degree obtained with awards.
- Publication of more than 20 technical articles and more than 10 conferences given in Mexico, USA and Europe.
- Advisor to more than 10 Bachelor Degree Thesis in the topics of Databases, Graphics, Software Engineering and Artificial Intelligence.
- Advisor to more than 10 Bachelor Degree Thesis and 3 Master Degree Thesis.

Personal Data

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Citizenship: Mexican.

Languages: English, Spanish, French, Swedish.

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