

Ligiu A. UIOREAN

Curriculum Vitae

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Position Interest

Interested in a senior management position in the field of Information Technology with a company that is implementing or revamping large scale, multi-site, mission critical IT infrastructure.

Skills

Planning and management

Experienced in *Project and Program Management*
Experienced in *Operations Management*
Experienced in setting *vision and communicating strategy*
Experienced in *Performance Management*
Experienced in *ITIL v3 processes and COBIT framework*
Experience in managing *consultants and contractors in development and implementation projects*
Experience in using specialized *PPM Software*

Experience in departmental *Capital budgeting*
Experience in building *ROI models*
Experience in evaluating *TCO of products and solutions*
Experience in building *cost structures*

Experience in *team restructuring and alignment*
Experience in formulating *long term people strategy*
Experienced in *managing by objective*
Experienced in establishing *KPIs and driving Operational Excellence*
Experienced in *motivating and driving change*
Experienced in *staffing and recruiting*

Technical

Microsoft Windows Desktop and Server Operating systems, large scale deployment and administration with Systems Management Server, Messaging (Exchange 2003, 2010, mobile), Internet Security (ISA Server 2004, 2006), Active Directory design and implementation, advanced security policies.

Linux and Unix In depth knowledge of Linux and BSD OS with over 7 years experience in deploying and administrating mission critical environments.

Server infrastructure Designed and implemented medium and large (>120 racks) datacenter solutions using rack-optimized and blade server technologies. Devised provisioning tools and lights-out management. Worked with *HP, IBM, and Dell* product lines.

Storage Infrastructure Designed and implemented large scale high availability storage solutions with multi-site redundancy and disaster recovery site. Employed the concepts of tiered storage, deduplication, thin provisioning and storage virtualization. Used advanced backup technologies for protecting physical and virtual assets and for backing up mobile workforce. Familiar with *EMC, HP, IBM* and *NetApp* product lines.

Virtual infrastructure Designed and implemented virtual environments for consolidations and high availability using *Citrix XenServer*. Also familiar with *EMC's VMware*. Devised methods for automatic provisioning, capacity management and monitoring.

Networking In depth knowledge of TCP/IP and MPLS. In depth understanding of interior and exterior routing protocols. Traffic engineering and QoS. Over 10 years experience in designing complex network architectures optimized for availability, security and capacity. Designed mission-critical enterprise and carrier networks to support data, voice and video. Designed and implemented VPN solutions for site to site connectivity and mobile workforce. Familiar with *Cisco* and *Juniper* enterprise and carrier grade switching, routing and security platforms.

WiFi and microwave In depth understanding of wireless and microwave planning tools. Designed and deployed large scale (over 10.000 APs) WiFi networks with both conventional and mesh links. Planned and implemented over 80 point to point links in the 2.4 Ghz, 5.8 Ghz, 60 Ghz and 80 Ghz spectrum. Familiar with *Aruba, Motorola* and *Eband* product lines.

Infrastructure monitoring. Designed and implemented large scale integrated infrastructure monitoring and control systems for all aspects of network, datacenter systems and passive infrastructure. Designed and implemented a NOC/bridge facility.

Datacenters and telecom infrastructure. Designed and implemented a 300 m² Tier 3 datacenter. Designed a 1000 m² Tier 4 modular datacenter. Standardized horizontal distribution and outside plant for very large campus area networks. Design and implemented ring topologies. Standardized and implemented over 65 telecommunication facilities.

Employment history

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|-----------|---|---|
| 2001–2003 | Project Manager
<i>Analog Digital Control SrL, Romania</i> | Led the entire life cycle of various IT projects, from the initial meetings with the client organization, throughout project implementation and close-out. Company was focused on providing IT services and IT service consultancy to various enterprise customers, mainly in the financial and manufacturing industry. |
| 2003–2005 | IT Lead
<i>Lasselsberger SA, Romania and international</i> | Subject matter expert and manager of an infrastructure team of 11 that was responsible for migrating and integrating a legacy IT infrastructure in three large production plants, the enterprise HQ, regional offices and sales outlets. The achievements were highlighted in a case study by Microsoft which can be provided as reference. |
| 2005–2006 | Country IT Manager
<i>Lasselsberger Ceramics AS, Romania and international</i> | Led the entire regional IT organization of 23 people for one of the leading companies in Europe for raw materials, building materials and ceramic products. Was responsible with all aspects of IT management, including staffing and recruiting, budgeting and reporting to the executive committee. Coordinated at group level |

to achieve a homogeneous infrastructure and consistent service delivery in all company sites.

2006–2008

Global Infrastructure Architect
Bechtel, London/UK, Frederick, MD/US

Various position on multiple projects, responsible with implementation of core infrastructure solutions. Member of a core group tasked with designing the next generation IT infrastructure for largest engineering company in the United States with offices in over 26 countries and projects all around the world. The key of the initiative was to achieve consolidation and cost reduction through using cloud computing while supporting the business to rapidly expand service in new geographical locations and provide consistent experience irrespective of the physical location. Achievements of the project were extensively covered in the media, including the CIO magazine, Network World and a PricewaterhouseCoopers case study.

2008–current

Infrastructure Development Manager
Abu Dhabi Airports Company, Abu Dhabi, UAE

Combining the functions of design management and programme management, responsible for a team of technology architects which are the subject matter experts for every information or communication systems related technology deployed in ADAC. Managing the design, implementation and commissioning of very large infrastructure projects in all of the company's five airports. Responsible for defining the operational procedures for mission critical systems that are deployed in the airports. Responsible for defining, writing, evaluating and executing RFPs for very large infrastructure projects. Responsible for setting the vision and strategy for IT services infrastructure of the company.

Ongoing and completed projects

ADAC Techcenter project, 2010–2012

Managing the design and implementation of a technology center that includes a state of the art 1000 m^2 (Tier 4) mission critical datacenter, a NOC/bridge area to manage a the multi-site environment of ADAC, office facilities to for the whole ICS group (over 125 people) and external contractors, meeting rooms and telepresence space. A complex project with multiple internal and external stakeholders.

Abu Dhabi Freezone Telecom infrastructure, 2009–2010

Managed the design and implementation of the telecommunication infrastructure for the ADFZ project. The complexity of the project is given by the objective of providing triple-play services in a mixed office and LIU environment. User demand can vary greatly and the challenge was to define a low OPEX solution that is also flexible and future-proof.

Standardized infrastructure for data management, 2009–2010

Initiated, drove and managed the requirements gathering, RFP stage, evaluation and close-out of the standardized infrastructure for data management project. Project scope includes selection and implementation of high performance storage infrastructure for OLTP, long term archival and backup solution compliant with industry and government regulations and multi site storage management solution. The project resulted in over 70% average reduction in CAPEX and 100% data availability SLA.

Design and implementation of a converged carrier Ethernet network, 2008–2012

A complex program, which based on the standardization exercise, has the objective to design a converged carrier grade Ethernet network to support all airport data, voice and video communication. The network supports all mission critical communication services including passenger processing and flight and resource management. Project scope includes ducts and duct bank infrastructure, cabling infrastructure, ring network topology, MPLS network and seamless migration from legacy network infrastructure.

Midfield Terminal Complex, 2008–2015

Working with consultants and designers to establish all aspects of the IT systems in the third largest terminal building in the world. There are 41 IT systems that will be implemented, ranging from a 500 m^2 mission critical data-center to communication rooms, network and advanced airport systems.

Technology standardization for ADAC, 2008–2010

Initiated, drove and managed the requirements gathering, RFP stage, evaluation and close-out of the technology standardization for the IT infrastructure of five airports. Established standard platforms for VoIP, Networking, WiFi, Servers and virtualization, taking into consideration specific demands, performance, compliance and TCO of selected solutions. The project resulted in over 65% average reduction in CAPEX and an estimated 80% reduction in OPEX over 5 years.

ICT Masterplan for ADAC, 2008–2009

Worked with external consultants to define all IT related standards for Abu Dhabi Airport Company. Defined transition and implementation strategy for IT and airport systems. Document forms the basis of all IT initiatives and is updated yearly.

Design and implementation of a 300 m^2 datacenter, 2008–2010

Managed the design and implementation of a critical airport datacenter (Tier 3). The datacenter is part of the Terminal 3 of Abu Dhabi Airport and can host up to 80 racks. The installed power per rack is 6.5KW. The datacenter is planned for collocation and lights-out operation.

Abu Dhabi Air Traffic Control Tower, 2008–2010

Managed the redesign and implementation of the telecommunication infrastructure for a critical airport infrastructure. The challenge was to ensure a non stop operation of the facility over the projected lifespan while ensuring that the IT infrastructure is flexible and can support in service upgrades.

Abu Dhabi Terminal 3, 2008–2009

Managed the implementation, handover and transition into production of a new terminal building at Abu Dhabi Airport. A complex program involving a datacenter, multiple communication rooms, data and CCTV network, WiFi coverage, advertising, voice and video systems.

Virtual infrastructure for Bechtel, 2007–2008

Part of a core team tasked to design and implement the next-generation cloud platform for the whole enterprise. The program encompassed several aspects, from standardizing the server, storage and virtualization platform to consolidating all infrastructure to 3 datacenters in UK, US and SG. Part of the scope was also migration of legacy equipment and establishing SOPs for the new infrastructure. Implementation brought tremendous cost savings in terms of CAPEX and allowed new flexibility in deployment of new IT services and solutions. Achievements of the project were extensively covered in the media, including the CIO magazine, Network World and a PricewaterhouseCoopers case study.

Project infrastructure for Bechtel, 2006–2008

Managed a program for the design and implementation of two regional modular datacenters (each 100 m^2), network infrastructure and server infrastructure to support the development of a 415km highway, the largest infrastructure project in Europe at the time. The major challenge was to produce a flexible setup that can adapt to the changing environment. The linear nature of the project and the tough environment demanded customized solutions. A large number of point to point wireless links was deployed to insure connectivity across the construction site and to satellite offices.

Project asset and helpdesk system for Bechtel, 2006

Designed and implemented an asset management solution and a helpdesk system to centralize all information for a large project site. System significantly improved operations and the responsiveness of the support team and allowed accurate SLO monitoring.

Brown field implementation of complete IT infrastructure for Lasselsberger, 2003–2005

Designed and implemented a highly available network spanning 3 company plants, company HQ, regional offices and slates outlets. Migrated legacy applications and systems and implemented a complete Microsoft Server System-based solution for identity management, communication, desktop management and infrastructure management. The achievements were highlighted in a case study by Microsoft which can be provided as reference.

Other completed Projects

- *Gap analysis and implementation of ISO 27001 compliant processes*
- *Gap analysis and implementation of ISO 20000 compliant processes*
- *Implementation of ITIL-aligned processes*
- *Design and implementation of SharePoint portal server*
- *Design and implementation of Microsoft Exchange 2003, 2010*
- *Design and implementation of Microsoft SCCM for software deployment and patch management*
- *Developed design guidelines for all critical IT infrastructure components for the use of designers and contractors*
- *Defined SOPs for IT operations*
- *Implemented a self-service IT Lab solution for testing products, solutions and configurations*
- *Implemented a multi-site, multi-company video conferencing solution providing service over a heterogeneous infrastructure*
- *Design and implementation of Active Directory in multi-site, multi-entity environment*
- *Implementation of Desktop policies for enterprise and third-party (consultants, contractors) users*
- *Design and implementation of secure internet kiosk systems for passengers*
- *Design and implementation of analogue and digital Master Antenna TV system for Bechtel Campus*
- *Selection and implementation of group-wide endpoint security solution for Lasselsberger Ceramics*
- *Roll-out of group-wide ERP solution for Lasselsberger Ceramics*

Education

BSc/MSc (Engineering) Computer Science and Control Systems, 2006
Technical University of Cluj Napoca
Cluj Napoca, Romania
Thesis: *Vehicle GPS tracking with two way communication*

Baccalaureate, 2001
"G.Coşbuc" National College for native Germans
Cluj Napoca, Romania

Other trainings and certifications

PRINCE2, Projects In Controlled Environments, 2007
Foundation Certified
Boston University

ITIL v3, Information Technology Infrastructure Library, 2010
Foundation Certified

PMP, Project management Professional, 2009
Training, PMI

CFA, Chartered Financial Analyst, L1, 2010
Training, CFA Institute

Published papers

The CREC Reconfigurable Computer

Octavian Creţ, Cristian Vancea, Balint Szente Ligu Uiolean, Florin Rusu
Proceedings of the 1st Balkan Conference in Informatics, p. 476, November
21-23, Thessaloniki, Greece, Publishing Centre T.E.I. of Thessaloniki, 2003,
ISBN 960-287-045-1

The CREC general purpose reconfigurable computer

Balint Szente, Cristian Vancea, Ligu Uiolean, Florin Rusu, Octavian Creţ, Kalman
Pusztai
Proceedings of the IP Based Design Workshop, p. 217, November 13-14,
Grenoble, France, 2003.

A hardware / software codesign method for general purpose reconfigurable computing

Octavian Creţ, Kalman Pusztai, Cristian Vancea, Balint Szente, Ligu Uiolean,
Adrian Dărăbanţ
In Proceedings of the 14th International Conference on Control Systems and
Computer Science, July 2-5, Bucureşti, România, Editura Politehnică Press,
2003, ISBN 973-8449-18-9

Miscellaneous

Languages (spoken and written): Romanian, English and German

Citizenship: Romanian

Marital Status: Single

Hobbies: photography, sports, reading, driving, travel

August 28, 2010