

Alberto Cuesta Cañada

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Lisbon, Portugal

Profile

I'm a Solutions Architect and High Performance Computing specialist with more than 10 years of experience in the financial industry, during which I've led the design of complex solutions involving multiple applications and with project budgets in excess of \$10m.

I am looking for a new challenge as part of a technology services firm, where I can grow in my leadership, technology and business skills. I want to lead and mentor teams of technology experts on delivering business value and creating lasting customer relationships.

I have a genuine interest in both technology and people, and I excel at distilling technology and business ideas so that they can be understood and adopted by wider audiences. I create lasting and productive relationships with all stakeholders. I lead with humility, to allow team members to perform at their best.

I have a deep understanding of scalable and high performance architectures within premises and on the cloud. I am comfortable using and designing architecture patterns, principles and requirements.

Available immediately.

Experience

Studying

March 2018 to present - Lisbon, Portugal

Since settled in Lisbon I'm learning or refreshing a number of technologies.

Technologies: AWS CloudFormation, AWS Lambda, AWS SageMaker, Python, C#, Solidity (Ethereum)

Travelling

September 2017 to March 2018 - Australia, Mauritius, South Africa, Turkey

Solutions Architect - ANZ

September 2014 to September 2017 - Melbourne, Australia

As a Solutions Architect I was the interface between technology and business, a manager of diverse stakeholder relationships, and a thought leader for technology projects.

- Engaged and built strong relationships with senior stakeholders in the business to understand their business goals and communicate them to technical audiences.
- Led project teams of 20+ experts, designers and analysts in defining the architecture for projects involving more than 20+ solutions. I defined how the various existing solutions would be modified, what new applications would be deployed and how they would be integrated to deliver the desired business outcomes.
- Provided solution architecture consultancy support to key stakeholders within the business and led the development and discussion or solution options to be implemented.
- Acted as an expert for distributed and high performance systems, providing advice and architectural designs.
- Championed the ANZ Enterprise and Divisional Architecture Roadmaps among technical and business stakeholders.
- Researched the capabilities of third party solutions and led their integration into the company systems.

Technologies: Microsoft Visio, Microsoft HPC, Splunk, Python

Grid Architect - ANZ

May 2012 to September 2014 - Melbourne, Australia

As a Grid Architect I was the highest authority in High Performance Computing for ANZ, including architecture, engineering and support.

- Managed the growth of HPC technology in ANZ to a global architecture with a compute capacity increase of 10x.
- Designed the HPC and QuIC components for the Counterparty Credit Risk Pre-Deal Check application, calculating trade exposures in real-time through the use of HPC grid, Markit Analytics QARM orchestration, AppFabric data caching and IBM MQ messaging.
- Developed the support model for HPC applications at ANZ, creating a high quality support team with a great record of issue resolution and a great relationship with application teams.
- Developed a C# HPC Framework to enable the migration of non-parallel applications to a grid-parallel batch model.
- Redesigned the security architecture for HPC Clusters in Active Directory to implement of a shared tenancy model.

Technologies: Microsoft HPC, Active Directory, C#, Markit QuIC, AppFabric, IBM MQ

Senior HPC Consultant - Excelian Ltd.

October 2010 to November 2011 - London, UK

As a Senior High Performance Computing Consultant I would fulfill any required roles for any client, often correcting the course of projects already in progress.

- **Grid Engineer at Unicredit.** Created a 4000 core cluster on Symphony 5.1 for an application that needed a 100x speedup. Provided development guidance and testing for the migration of the application from Symphony 4.1.
- **Grid Support Manager at Prudential.** Managed the transition from development to production of the MS HPC 2008 Prudential grid. Created the 24/7 grid support processes.
- **Grid Technical Manager at Rabobank.** Assessed the infrastructure at the hardware, operating system and middleware layers. Assessed the application connection models, development practices, grid governance, security infrastructure and support software.
- Other architecture, engineering and support roles at Aegon, Sanlam Capital Markets, BP and Excelian.

Technologies: Platform Symphony, Tibco DataSynapse, Microsoft HPC, Apama, Active Directory, Windows, Linux, Unix, Python, C#, Bash

Grid as a Service Team Leader - Excelian Ltd. For Daiwa Securities

October 2009 to October 2010 - London, UK

As a Grid as a Service Team Leader I was responsible for the Grid as a Service Team at Excelian Ltd., which provided high performance computing services to Daiwa Securities.

Technologies: Platform Symphony, Linux, Xen, Python, Bash, Confluence, Jira, Ganglia

HPC Operator - Excelian Ltd. for Royal Bank of Scotland

June 2008 to October 2009 - London, UK

As an High Performance Computing Operator I supported and resolved incidents for over 100 DataSynapse grids in development, testing and production environments, using more than 3,000 Windows and Linux hosts. Ensured grid reliability, responsibility and teamwork.

Technologies: Tibco DataSynapse, Linux, Windows, Python, Bash, Ganglia

Grid Analyst - Excelian Ltd.

February 2008 to June 2008 - London, UK

As a Grid Analyst I researched technologies that might be of use for future clients of Excelian Ltd.

Technologies: Linux, Xen, Python, Bash, Star-P, CUDA, PHP, Ganglia, Nagios

Researcher in Complex Systems - Instituto Tecnológico de Informática

November 2005 to December 2007 - Valencia, Spain

As a researcher I developed the distributed computing layer used to run evolutionary computing simulations, as well as maintaining both software and hardware for the computing cluster. Additionally I produced peer-reviewed papers in distributed and evolutionary computing.

Technologies: Linux, Java, Ganglia, Latex

Education

Languages

English - Native with excellent business and technical communication skills

Spanish - Native

Portuguese - Working knowledge, goal of achieving public speaking proficiency by end of 2018

Italian, French - Basic knowledge

Certifications

TOGAF 9.1 Enterprise Architect

AWS Cloud Solutions Architect - Associate

Platform Symphony 5.1 Administrator

PRINCE2 practitioner

Master: Parallel, Distributed and Grid Computing

September 2006 to September 2007 - Polytechnic University of Valencia, Valencia, Spain

Master (Equivalent): Artificial Intelligence

September 2003 to August 2005 - Polytechnic University of Valencia, Valencia, Spain

Bachelor: Computer Science Engineering

September 1998 to August 2003 - Polytechnic University of Valencia, Valencia, Spain