

# Alberto Cuesta Cañada

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Lisbon, Portugal

## Profile

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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 believe in putting the business principles at the centre of my job, and adding enthusiasm, integrity and reliability to produce the best possible experience for the customer.

I have a genuine interest in both technology and people, and I enjoy 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.

## Work Experience

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### Travelling

Australia, Mauritius, South Africa, Turkey

September 2017 - March 2018

### Solutions Architect

ANZ, Melbourne, Australia

September 2014 - September 2017

- Engaged and built strong relationships with senior stakeholders in the business to understand their business goals and communicate them to technical audiences.
- Defined the integration architecture for projects involving more than 20+ solutions. I further defined how the various existing solutions would be modified, what new applications would be deployed and how they would integrate together in order to deliver the desired business outcome. Led project teams of 20+ experts, designers and analysts.
- Provided solution architecture consultancy support to key stakeholders within the business and led the development and discussion of solution options to be implemented.
- Acted as an expert for distributed and high performance systems such as Microsoft HPC and Splunk, providing specific advice and architectural designs.
- Championed the ANZ Enterprise Architecture Framework and Divisional Architecture Roadmaps among technical and business stakeholders.
- Researched the capabilities of third party solutions and led external consultants to integrate them into the company systems.
- Participated in the development and ongoing operation of the ANZ Solution Architecture capability, such as technical and design standards, processes and governance.

### Grid Architect

ANZ, Melbourne, Australia

May 2012 - September 2014

- Managed the growth of HPC technology space in ANZ to a multi-regional 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.

- Designed the HPC component for the FXO Flex application, including infrastructure sharing, high availability at all layers, and support model. Managed the release of FXO Flex into the testing environments and the acquisition of hardware.
- 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 around HPC Clusters in Active Directory to enable the implementation of a shared tenancy model.

## Senior HPC Consultant

Excelian Ltd., London, UK

October 2010 - November 2011

- Architecture, engineering and support roles at Unicredit, Prudential, Aegon, Rabobank, Sanlam Capital Markets, BP and Excelian.

## Grid as a Service Team Leader

Excelian Ltd for Daiwa Securities, London, UK

October 2009 - October 2010

- Led the Grid as a Service Team at Excelian Ltd., which provides high performance computing services to financial institutions.

## High Performance Computing Operator

Excelian Ltd. for Royal Bank of Scotland, London, UK

June 2008 - October 2009

- 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.

## Grid Analyst

Excelian Ltd., London, UK

February 2008 - June 2008

## Research Assistant - Complex Adaptive Systems

Instituto Tecnológico de Informática, Valencia, Spain

Nov. 2005 - Dec. 2007

# Education

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## 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

Polytechnic University of Valencia, Valencia, Spain

September 2006 - September 2007

## Master (Equivalent): Artificial Intelligence

Polytechnic University of Valencia, Valencia, Spain

September 2003 - August 2005

## Bachelor: Computer Science Engineering

Polytechnic University of Valencia, Valencia, Spain

September 1998 - August 2003