

Dr. Benoit Hudzia, PhD, MEng, MSc, MBA

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QUALIFICATIONS	MBA	Business	Trinity College Dublin	2014	
	PhD	Comp Sci	University College Dublin	2007	
	Master of Science	Comp Sci	University of Paris 6	2003	1st Hons
	Master of Engineering	EECS	Ecole d'ingenieur EFREI	2002	1st Hons

CURRENT POSITION **Managing Director - EMEA SRE Site Lead - State Street United Kingdom - November 2018 - Now**
Provide and manage Cloud Site Reliability solution for public cloud operations for [State Street](#).

Duties:

- Lead a team of Software/Systems Engineers on projects managing 10 percent of the worlds assets; directly responsible for Statestreet's financial service uptime.
- Design, deliver cloud architecture & deployment strategies that mitigate risk while meeting stakeholders needs.
- Automate compliance assessment of infrastructure resources against policy rules.
- Design and develop secure and compliant Cloud CICD pipeline on public cloud infrastructure.
- Control of business expenditure within agreed budgets Whilst managing external contractors.
- Own end-to-end availability and performance of mission critical services and build automation to prevent problem recurrence; automate response to all non-exceptional service conditions.

Managing Director - Blopeur Ltd. UK

Belfast / Dublin - November 2013 - Now

World-class solutions & advisory services for next generations IT services, offering advisory services to companies that face complex software-related challenges. We have an extensive knowledge and hands-on experience in the following areas:

- Cloud computing (IaaS, PaaS, SaaS).
- Compliance and security in Cloud.
- Machine Learning, Big Data analytic, and Business Intelligence.
- Blockchain and Cryptocurrencies.
- IT strategy development.
- IT Alignment with Business processes & strategies and delivering value to organizations.

Deliver project management, strategy development, technology and demand forecasting, competitive analysis, white paper development.

- Advise a number of C*Os within Ireland, UK, USA and France in Cloud, Machine Learning, AI, Blockchain.
- Design corporation strategy and company transitioned to digital age.

Independent expert - European Commission

September 2010 - Now

Assist with research and innovation assignments including the evaluation of proposals, programmes, design policy, and monitoring of projects.

PREVIOUS PROFESSIONAL
EXPERIENCE

**Head of Irish operation, Cloud / System Architect - Stratoscale Ltd.
November 2018**

Israel - November 2013 -

Senior Cloud/System Architect working on designing the next generation cloud technology as well as running the Irish operations for [Stratoscale](#).

Duties:

- Manage and build distributed teams.
- Design, deliver cloud architecture & deployment strategies that mitigate risk while meeting customers needs.
- Support customers acquisition and fund raising (\$90M+).
- Research, design, develop and evaluate new cloud technology.
- Build, manage, lead and motivate (distributed) teams.
- Manage external contractors.
- Identify, develop and direct the implementation of business strategy.
- Cultivate companys reputation in the marketplace as well as with customers and suppliers.
- Plan and organize company's activities to achieve targets.
- Liaise with officials of government departments and regulatory bodies.
- Manage multi-disciplined teams and resolving conflicting priorities.
- Develop business plans and preparing comprehensive business reports.
- Review, refine and develop the strategy and direction of company.
- Build client relationships resulting in revenue and profitability growth.
- Responsible for companys health and safety and legislative adherence.
- Keep control of business expenditure, ensuring it's within agreed budgets.

Skills:

- Successfully manage and build distributed teams.
- Earned reputation for designing and delivering cloud architecture & deployment strategies that mitigate risk while meeting customers needs.
- Demonstrated mastery of cloud computing concepts and ability to articulate these concepts to technical and non-technical audiences.
- Published articles, white-papers, and social media content focused on cloud computing, application architecture for the cloud and cloud computing best practices.

Senior Cloud / System Architect - SAP UK Ltd.

Belfast - January 2013 - December 2013

Cloud Architect working on [SAP HANA Enterprise Cloud](#). In charge of designing and delivering next generation managed cloud platform with SAP In-Memory Database at its core which included:

- Successfully designing and delivering cloud solutions for major SAP customers such as Colgate, JP-Morgan Chase, SwissCom and Nestle.
- 5+ years experience with SAP technologies and other cloud technologies (SaaS-PaaS-IaaS).

Senior Researcher, Project Leader - Architect - SAP UK Ltd. Belfast - January, 2011 - March 2013

Project lead of team of 15+ persons in UK-US-IL for SAP aimed at designing the next generation cloud infrastructure of the company. The project brought together the flexibility of virtualization, cloud and high performance computing in order to break free of current cloud limitations. It delivered a framework, breaking free of current limitations imposed by current virtualization and physical servers by enabling true flexibility in terms of performance and resource management life cycle. Consequently it enabled true cloud paradigm through the datacenter resource disaggregation, liberating the PaaS and SaaS from their inherent underlying limitations.

- Deliver key & core technology that were included in what became SAP Cloud Platform.
- Secured multi-millions euros funding from EU FP7 & H2020 framework & local funding agency.
- Contributed to Open source project: Qemu-KVM & Linux Kernel.

Senior Researcher, Project Leader - SAP UK Ltd.

Belfast - January, 2008 - 2011

Project Leader of a 1.5M£project Virtex aimed at designing the architecture and development of an Adaptive SAP Service Utility based on shared virtualized infrastructure. Such utility can enable the delivery of hosted SAP applications. The project was composed of 1 project lead, 3 researcher, 2 Phd students and intern(s). I was also technical lead for the EU project Reservoir on federated cloud computing (IaaS).

I was the lead architect for the SAP Business Web project and more specifically, its cloud hosting (IaaS, PaaS).

Researcher for Optimis, Bonefire and Cumulonimbo EU FP7 research project.

Researcher - SAP UK Ltd.

Belfast - June, 2007 - January 2008

Researcher in the NextGRID project: this project seeks architectural solutions that streamline all aspects of Grid operation- installation and maintenance of the infrastructure, development and deployment of Grid applications, user orchestration of the resulting resources, and operation of business models and processes through which the use of Grid technology can be made economically viable.

CEO, Founder - Dipack

Dublin - June, 2006 - January 2007

Creation of a start-up specializing in novel digital goods, distribution and encryption technology. Went through the initial phase of start-up creation: business plan, market study, prototyping, sought venture funding.

Summer researcher - L.R.I, University of Paris 11

Paris - May, 2003 - September, 2003

Research, experimentation at L.R.I. in the field of large distributed systems for scientific computations (XtremWeb Project). In charge of implementing a multicast version of MPI under the supervision of Professor Serge Petiton and Jack Dongarra as external Examiner.

System administrator - CVF (now Orange)

Paris - June, 2002 - September, 2002

System administrator for CVF, a subsidiary of France Telecom (Orange). In charge of installing Storage SAN/NAS technology for their hosting operations.

System administrator - University of Mary

Bismarck (ND), USA - October, 2001 - June, 2002

System administrator for IT department of University of Mary. In charge of maintaining servers and workstation installation. Deployed a distributed proxy services across the university campus and a filtering / throttling systems to limit P2P bandwidth consumption explosion.

IT Engineer Internship - Osiatis

Paris, France - April, 2001 - August, 2001

Development and conception of applications for a technical support level 2 for Vizzavi (www.vizzavi.com), web portal for SFR - Vivendi universal, now Vodafone France) by Osiatis (C, Perl, Apache, PHP, Imap, firewalls, Linux).

IT Engineer - M2IC

Paris, France - October, 2000 - March, 2001

Consultant specialised in network security: Linux, LDAP, SQL, XML, PHP, networking, firewalls.

SKILLS	<p>Management: Strategy, Scrum, Team Management and Project Management Certifications, HR, TOGAF .</p> <p>Language: French: Mother tongue; English: Fluent; Spanish: Scholar; Italian: Notion ; Chinese: Notion; Japanese: Notion</p> <p>Computer Skills: Amazon AWS, OpenStack, Azure, Docker, UniKernel, NFV, SDN, Ceph, Golang, C, C++, Python, JAVA, Microservices, Kubernetes, Mesos, Hashicorp (Consul, etc.), Zookeeper, Kafka, Storm, Hadoop, Herron, InfluxDB, SAP, Machine Learning, Blockchain, P2P, distributed fault tolerant systems, Grid, HPC, NVM, RDMA</p> <p>Mathematics: Number Theory, Linear Algebra, Abstract Algebra, Real and Complex Analysis, Numerical Analysis, Graph Theory and Topology.</p>
EDUCATION	<p>Trinity College Dublin, Dublin, Ireland MBA , September 2012-2014; Best company project winner.</p> <p>University College Dublin, Dublin, Ireland Ph.D. Computer Science, April 2004-2007; Dissertation Topic: “Hierarchical Topology for P2P Based Grid MiddleWare” ; Advisor: Dr. M-Tahar Kechadi</p> <p>University of Paris VI , Paris, France D.E.A., Systemes Informatiques Repartis, September 2003 (Master of Science in Distributed and Heterogenous Computing Systems)</p> <p>Ecole Francaise d’Electronique et d’Informatique (EFREI), Paris, France Diplome d’Ingenieur, Informatique et Electronique, September 2002 (Master of Engineering in Electronics and Computer Science) Exchange Student (Honor Roll), University of Mary, Bismarck, ND USA, August 2001- August 2002</p>
OTHER	<p>Patents: Twenty+ patents filed since 2008 at the USPTO, topics: virtualization, cloud, OS, distributed systems and CEP.</p> <p>Publications: Thirty + conference , journal papers and book chapters</p> <p>Open Source Contribution: I have personally driven contribution and written code for Qemu–KVM and Linux Kernel. I was leading the Hecatonchire Open Source Project (http://www.hecatonchire.com)</p> <p>Academic: I have succesfully supervised 3 PhD candidate</p>
INTERESTS	<p>Professional: Open Data, Business Strategy, Digital Economy, Start-up, Bitcoin, Blockchain, Cloud Computing, High Performance Computing, P2P systems, RDMA, Distributed Shared Memory, Cryptography, Networking, Asynchronous Systems, Distributed and Heterogeneous Environments, Grid System, Large Scale System, Stream Computing, Complex Event Processing, Quantitative analytics, Mathematical Modelling, Algorithmic Trading.</p> <p>Personnal: swimming (French national competition level), skiing, film, music, travel, gym.</p>
SELECTED PUBLICATIONS	<p>Benoit Hudzia, Maik Lindner, Alan Stewart, Terry Harmer, Jonathan Sinclair, “Architecture for compliance analysis of distributed service based systems”, ACM CLOSER 2011, Noordwijkerhout, The Netherlands.</p> <p>Benoit Hudzia, Hui Li, Tariq Ellahi, Maik Lindner, Philip Robinson, Book Chapter: “Complex Enterprise software systems in the cloud”, Book: “Cloud Computing: Principles and Paradigms”, Publisher: Wiley, New York, USA. 2010</p> <p>Benoit Hudzia, Jonathan Sinclair And Maik Lindner, “Deploying and running enterprise grade applications in Federated Cloud”, In: “Achieving Federated and Self-Manageable Cloud Infrastructures: Theory and Practice” In IGI Global, 2011 .</p> <p>Jonathan Sinclair, Benoit Hudzia, Maik Lindner, Alan Stewart and Terry Harmer. “Compliance Auditing in Future Web-based Infrastructures”, ACM Web Science 2011 Koblenz, Germany.</p> <p>Benoit Hudzia, Jonathan Sinclair: “Auditing Privacy for Cloud-Based EHR Systems”, Publisher IGI Global June 1, 2014 http://www.igi-global.com/chapter/auditing-privacy-for-cloud-based-ehr-systems/110432.</p> <p>Ana Juan Ferrer, Francisco Hernandez, Johan Tordsson, Erik Elmroth, Csilla Zsigri, Ral Sirvent, Jordi Guitart, Rosa M. Badia, Karim Djemame, Wolfgang Ziegler, Theo Dimitrakos, Srijith K. Nair, George Kousiouris, Kleopatra Konstanteli, Theodora Varvarigou, Benoit Hudzia, Alexander Kipp, Stefan Wesner, Marcelo Corrales, Nikolaus Forg, Tabassum Sharif and Craig Sheridan; “OPTIMIS: a Holistic Approach to Cloud Service Provisioning, Utility and Cloud Computing” (UCC 2010)</p>