

Curriculum Vitae
JAISON PAUL MULERIKKAL

Present Address	Our Lady of M. Carmel Priory 75 Wright Street Middle Park, VIC 3206 Australia	Permanent Address	S H Provincial House Rajagiri P O Kochi 683104 Kerala, India
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Date of Birth	18 March 1973	Nationality	Indian
Web Address	www.memyviews.com	Permanent Residency	Australia

Education (Technical)

2005 – 2007 **Master of Applied Sciences (Information Systems)** with specialization in Networked and Distributed Systems from RMIT University, Melbourne, Australia with CGPA of 3.5/4 and a successful completion of Minor Thesis titled “*An Architecture for Highly Distributed Content Delivery Network*”.

Modules covered included Advanced Client Server Architecture, Distributed Databases, Network Programming, Network Security, Advanced Programming Techniques, Java for Programmers, Engineering Software Projects and Research Methods.

1996 – 2000 **B Tech** in Civil Engineering from Mahatma Gandhi University, Kottayam, India with Distinction.

Modules covered included 5 papers of Engineering Mathematics, Theory of Materials, Structural Design of Steel and Concrete, Water Resources Engineering, Bridge Design, Rail Engineering and Computer Programming and Numerical.

Education (Other)

2000 – 2003 **Bachelor of Theology** from DVK, Bangalore, India (affiliated to Gregorian University, Rome) with Distinction and I rank in the Athenaeum.

1993 – 1995 **Bachelor of Philosophy** from DVK, Bangalore, India (affiliated to Gregorian University, Rome) with Distinction and III rank in the Athenaeum.

Research Interests

My principal research interest lies in the field of distributed and network computing. I am currently investigating the possibility of a highly Distributed Content Delivery Network (DCDN), which utilizes distributed resources of Internet users to produce effective content delivery to end-users.

My future plans include research in commercial use of grid platform in enterprise IT by providing virtual distributed environments to facilitate virtualised resources, rapid resource allocation and coordination of resources with the help of Service Oriented Architecture Middleware.

Research Experience

2007 Minor Thesis, Department of CS and IT, RMIT, Melbourne.

Successfully completed minor thesis under the guidance of Dr Ibrahim Khalil at RMIT University, Melbourne. The topic of the thesis was “An Architecture for Distributed Content Delivery Network”. The thesis addressed the following issues:

- Introduced a unique Distributed Content Delivery Network architecture and proposed a workable business model to successfully implement it in the real-time scenario
- Suggested an appropriate load balancing analysing the performance of surrogates (Internet user workstations) in terms of average system delay and rejection rate.
- The performance of DCDN architecture is evaluated in comparison with commercial CDN using simulation techniques.

Publication

Jaison Mulerikkal, Ibrahim Khalil, “*An Architecture for Distributed Content Delivery Network*”. Accepted for publication in the conference proceedings of 15th IEEE International Conference on Networks ICON2007, (to be held in) Adelaide, Australia from 19-21 November 2007.

Ibrahim Khalil, Jaison Mulerikkal, “*An End-Systems Supported Highly Distributed Content Delivery Network*”. Accepted for publication in the conference proceedings of 4th International Conference on Distributed Computing and Internet Technology ICDCIT 2007, (to be held in) Bangalore, India from 17-20 December 2007, co-organized by the Center for Electronic Governance at the United Nations University International Institute for Software Technology, Macao.

Publication (non-technical)

Book – Win in the Jesus Way, Dharmaram Publications, Bangalore, 2004.

Teaching and Administrative Experience

2006 – 2007 **RMIT, Melbourne, Australia**

Served as a Tutor and handled the respective labs for the following subjects in three semesters at RMIT:

- Advanced Client Server Architecture
- Data Communication and Net-centric Computing
- Fundamentals of Computing (Postgraduate)
- Fundamentals of Computing (Undergraduate)

2004 – 2005

Rajagiri School of Engineering and Technology, Kerala, India

Served as a Lecturer in Basic Engineering Department for more than one year and handled all academic responsibilities related to it.

English Proficiency

IELTS (Academic) Aggregate band score of 8/9 with no band less than 8.

Other Details

Belongs to the order of Carmelites of Mary Immaculate (CMI) and a Catholic priest.

References**Dr Ibrahim Khalil**

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