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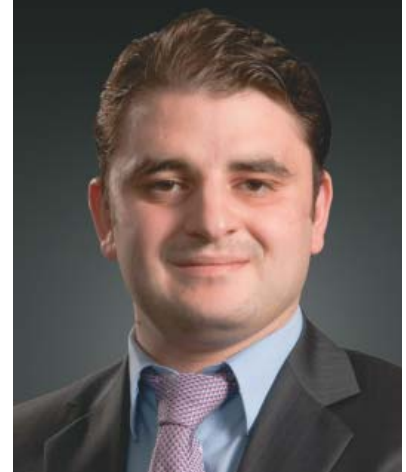
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TIGRAN GRIGORYAN, Senior Consultant

Tigran Grigoryan is a Senior Consultant at Innovative Scheduling. He holds a Diploma (equivalent to M.S.) in Mathematics and Informatics from Armenian State Pedagogical University, and a Ph.D. in Computer Science from the National Academy of Sciences of the Republic of Armenia. His Ph.D. research topic was dedicated to the design and development of dynamic resource allocation systems for MPI-based distributed computational systems.

Dr. Grigoryan specializes in multilayer software design and development, web-enabled solutions, parallel and distributed computing, computer networks, and database management systems. He is proficient in software architecture, object oriented design, and database design and tune-up. His research interests include parallel and distributed systems, parallel programming theory and databases. Dr. Grigoryan has more than nine years of experience in the IT industry and academia. Prior to joining Innovative Scheduling, he worked on the development of software for experimental data analysis at the Center for Advanced Infrastructure Technologies (CAIT), Oxford, MS. He also designed a suite of systems for Beowulf clusters at NAS RA, including Dynamic Resource Allocation System and Web-based parallel debugger.

At Innovative Scheduling, Dr. Grigoryan focuses on architecting and developing web-based decision support systems.



PROFESSIONAL EXPERTISE

- Parallel programming using MPI and C++; experience in parallel distributed databases
- System programming in Windows and UNIX environments, shell scripting in UNIX, network programming
- Proficient in C#, .NET framework, EF, WCF, WPF, VP.NET, C/C++, Java, Delphi, experience in Assembly languages, ViP
- Web development using Silverlight, ASP.NET, PHP, CGI, JSP, JavaScript, HTML, and web services
- Experienced in DBMS such as Oracle, MySQL, Informix, MS SQL Server, Lotus Domino

SELECTED PAPERS

- “Plug-in Architecture for Dynamic Resource Allocation System” T. Grigoryan, Proceedings of CSIT 2007 conference, Yerevan, Armenia.
- “Development of Web Environment for Efficient Exploitation of Linux Cluster Computing Resources” H. Astsatryan, T. Grigoryan, M. Gyurjyan, V. Sahakyan, Yu. Shoukourian, Proceedings of the Seventh International Conference on High Performance Computing in Computational Sciences, VECPAR’2006, Rio, Brazil (2006).
- “Dynamic Process Management System Architecture for Clusters” T. Grigoryan, V. Sahakyan, Mathematical Problems of Computer Science, Transactions of IIAP NAS RA Volume 25, Yerevan, Armenia (2006).

SELECTED PROJECTS

- Development of Silverlight-based DASS map and web enabled user interfaces
- Development of web-based systems for network planning, railroad blocking and train scheduling optimizer
- Design and development of generic decision support systems framework modules and web user controls
- Design and development of a web based multiuser debugger for parallel programs, working in multiprocessor cluster environment
- Design and development of dynamic resource allocation system for Beowulf clusters