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| **M Srikant**  **Director/Sr. Manager, Product Manager, Architect**  **Cloud, Analytics, Security**  **US Citizen** | (510) 690-5708 | [symplectic@gmail.com](mailto:symplectic@gmail.com) | | |
|  | Leadership Skills Strategic Thinking Communication & Coordination Creative Problem Solving Analytical Process Flow Teamwork & Collaboration  Comprehensive program and product experience in dynamic global markets with critical business drivers and environments. Cross-industry project track-record – in areas such as security, data integration, lifecycle management and technology standardization – to scale, secure and optimize, by adopting a bimodal approach to supporting the enterprise’s transformation, which entails new business models and channels for customer engagement and 360° views of IT costs in the context of business performance.  *Eighteen years* of product execution involving Management/Development/Delivery of the product life cycle – architectures, design, implementation, testing and deployment, for seven pioneering products including three ‘concept-to-launch’ products.  *Ten years* of enterprise business transformation and management - strategy, analysis, planning, operations, governance - of complex environments and ecosystems, and governance of initiatives: Contributions to core standards, operations, processes.  *Sixteen years* of experience in enabling revenue, profit and business growth objectives within enterprises; Strong track-record in decision-making initiative, motivation, flexibility, adaptability and performance-driven delivery on customer commitments.   * Initiated and launched the AWS cloud security COE at **Amazon AWS** in 2014, producing reference architectures and CISO plans. * Advised, evaluated and promoted a strategy of the service broker paradigm for the hybrid cloud, network and security management offering at **Verizon-Terremark** in 2013-14, leading to adoption into the “unified tiered” enterprise solution Cloud Compute rollout. * Planned and managed the identity management transformation program, involving two dozen systems and a distributed team of solution architects at **Schneider** in 2014, reversing nascent corporate reservations and winning a multi-year multi-million contract. * Directed and analyzed the process transformation and operations of the continuous fabrication lines for broadband chip security, at **Broadcom**-TSMC-UMC in 2012, leading to robust diagnostics and perfection of batches, improving revenues upward of $100M. * Established and monitored the build-to-operate standards for consumer/enterprise infrastructure, data centers, at **Bank of America** in 2011, enabling “elasticity of assets” leading to consolidation and software defined infrastructure for $9 billion IT. * Managed and executed the network and security assessment self-service catalog and partner cloud portal at **Cisco** in 2011 resulting in organizational enhancement into the $1 billion core cloud service offerings for mid-market partners in emerging markets. * Governed the $1 billion business transformation initiative at **Cisco** in 2006-08, to scope and align business intelligence issues across theaters, systems and processes, producing higher-than-market revenue gains, winning share in strategic emerging markets. * Managed the entire product life cycle of the Secure Flash component for the TrustedCore software product launch at **Phoenix** generating $23 million in third quarter fiscal 2004, year-over-year revenue gains and profits. * Guided and implemented the entire product life cycle of the CF700/CF7000 E-commerce (SSL Cache) 1U and 3U appliances at **Cacheflow**, generating $32 million in fourth quarter fiscal 2000, outpacing competitors maximizing share of strategic markets.   *Cloud Platform:* Docker, AWS, Azure, Scala, Go, Container, Microservices, Orchestration, OpenStack, Public/Private/Hybrid Cloud, Workload  *DevOps:* Git, Chef/Puppet, Jenkins, Agile, Continuous delivery (SCM, CI, Configuration Management, APM, Testing/Validation, Monitoring)  *Big Data Analytics:* Spark, Hadoop, RDBMS, SQL, NoSQL, R, Data Integration/Quality, EDW/BI, Events, Streaming (Pipelines, Optimizer)  *Cloud Security:* Infrastructure/Data/Application/Network/Web Security, VPC, IAM, UTM, SSL, PKI, Encryption, Privacy, APT, DDoS, SQLI  *Machine Learning:* Torch7, Caffe, TensorFlow, Supervised/Unsupervised learning, Deep Learning for Vision/NLP (neural networks) |  |

**Experience**

Mayacom Inc.,(AWS/Apache/Spring) Director/Architect, Product and Platform [Partners – Opal Soft Inc. & Aerial Alchemy]2015 – Present

Startup Bootstrap Factory *–* Setting strategy and vision, conducting customer interviews, defining features and requirements, building roadmaps and release management; Investment directed presentations – Use case narratives, customer protocols, market analysis, monetization and revenue.

Transformation as a Service *–* Cloud/Big Data/Devops towardstrategic paths and Platform approach to Digital Business Transformation, Bimodal IT

Spark, HDFS, Parquet, MongoDB, Cassandra, Presto, Kafka, Flink, NiFi, TensorFlow, scikit-learn, Shark, Kubernetes, Spring Boot, Airflow, Jenkins

Cognizant Technology Solutions, TX 10/2013 – 10/2014

Senior Manager, Cloud, Telecommunications, Security

* **Amazon AWS**, CA/WA [Managed teams @ US, India] [Retail-Cloud] (Cognizant Client)

Cloud Application-Data Security Reference Architecture and Transformation COE. Horizontal: Hybrid Cloud Security. Function: Strategy.

* Established a Transformation Center of Excellence for hybrid cloud security with Amazon executives towards training of professional services for enterprise clients towards the adoption of public cloud services in conjunction with client data centers.
* Created vertical CISO business plans for the promotion of Amazon and Cognizant core competencies with enterprise clients.
* Created and authored reference architectures for hybrid application and data security, shared between AWS cloud and data centers.
* **Verizon-Terremark**, TX [Telecommunications] (Cognizant Client)

Verizon Multi-Cloud Management Portal initiative; CSB: Strategy, Analysis (Requirements, Product Offering) and Roadmap, Planning.

Horizontal: Network Management, Security Management, Cloud Management and Customer Analytics. Function: Strategy/Analysis.

* Promoted the strategy and design of cloud service brokerage paradigms with CIO and CTO offices of Verizon and Terremark.
* Created a comprehensive multi-cloud portal business plan, that included market opportunity and competitive analysis, use case scenarios and financial ROI analysis, and that leveraged the underlying Verizon MPLS network infrastructure with several policy engines, network, security and cloud management components and a marketplace of vertical service offerings.
* Created a capabilities roadmap towards the implementation of the network, security and cloud management feature sets and the analytics suite; elucidated the narratives and mechanics of integration of external customer CXO requirements with Verizon CIO objectives and strategy, and subsequent alignment with the CMP offering and feature set.
* **Schneider**, WI [Managed teams @ US, India] [Transportation] [15 reports] (Cognizant Client)

Oracle IAM Enterprise Transformation program; OIM 11g: Analysis, Program Planning, Design, Architecture and Solution Specifications.

Horizontal: Identity Management, Enterprise Business Architecture, System/Policy Management. Function: Planning/Governance.

* Established the OIM Migration Program with Schneider executives and Cognizant architects and executives, with execution analysis.
* Managed the program solution teams, and created detailed project plans for the SDLC phases – Analyze, Design, Build and Test.
* Managed and evolved the System Requirement Specifications and System Architecture and Design Specifications with stakeholders.

**Broadcom**, CA (parent *Avago Tech.)* [Managed teams @ US, Singapore, Taiwan] [Semiconductor] [50 reports] 1/2012 – 5/2012

Fabless Chip Security Supply Chainoperations with semiconductor marketing and operations executives toward streamlined processes and risk mitigation *(Execute, Analyze, Control)*; Parts rollout schedules aligned to customers and subcontractors, Governance boards.

* Established device rollout queue schedules, operational overlays between broadband customers and fabrication subcontractors.
* Coordinated with evolving Governance boards and design teams for efficient Processes, Operations, Customers and Shipping.
* Coordinated manufacturing program managers (TSMC, UMC) across Singapore/Taiwan and security vendors spread worldwide.

**Bank of America**, CA [Managed teams @ US, UK] [Financial Services] (Apex Client) 8/2011 – 12/2011

Infrastructure Architecture*,* Build to Operate Standards Governance *(Design, Analyze, Operate)*

Cloud Data Center Infrastructure architecture with banking executives toward enterprise and consumer banking build-to-operate standards *(Design, Analyze, Operate)*; Baseline definition, gaps in the existing controls/policies/artifacts around network, security, storage, middleware infrastructure products and reference architectures, compliance standards, Governance board.

* Established baseline definition work streams with various infrastructure technology areas of the enterprise, such as network, storage, server, monitoring, middleware, provisioning automation, infra stacks, service blueprints, resiliency/disaster recovery.
* Worked with architects and designers along the work streams to discover gaps in the existing controls/policies/artifacts around the procurement, implementation and deployment of infrastructure products and reference architectures, for strategic projects.
* Worked with infrastructure architecture teams to draft Standards that mandate strict compliance or recommend best practices.
* Coordinated with the Governance Board on change management of Standards repositories, to augment or modify the baselines.

**Cisco Systems**, CA 10/2006 – 6/2011

* Customer Advocacy-Advanced Services [Managed teams @ US, India] [30 reports] 1/2011 – 6/2011

Product Manager – Service Product Management*,* Assessment Services & Automation, *(Discovery, Analysis, Report)*

Cloud Services Product Management with Cloud executives toward the business operations for delivery ofautomated network services

* Established a graded Service Strategy targeted at mid-market Partners and Customers toward low cost Service pricing and packaging, and actively participated in communications and messaging decision forums, toward the Service bundle delivery.
* Coordinated the Service architecture/design/development for networks, security, wireless assessments, along with business development, global service delivery, product management, engineering area specialists, portfolio release management.
* Facilitated the design of the Service Catalog for the assessment selection, configuration and execution, by Partners and Customers.
* Prepared Service Descriptions, and coordinated the approval process with Legal, Finance organizations and operational toll-gates.
* Drove the engineering design management and resource risk management, for the software assessment services automated through a self-service platform, consisting of service catalog and service execution workflow simulation (IOS software maturity, customer profile and software version algorithms), across successive phases of development, tuning & validation and testing.
* Customer Advocacy-Technical Services 1/2008 – 6/2008

Data Analytics, Segmentation/Channel – spend, bookings, install base, forecast *(Research, Analysis, Dashboard)*

SMB services plan 07-08’ with field marketing managers and go-to-market executives toward insights derived from channel, spending

Supported Field Marketing Managers and GTM Segmentation Board Executives on the SMB Services plan and dashboard initiatives

* Market Research: Collaborated to incorporate *AMI* and GMV yearly spend data and CAGR projections, into opportunity models.
* Data Analysis: Worked on incorporating Sales Finance YoY revenue figures, quarterly and aggregate bookings numbers.
* Plan: Created a GTM Segmentation plan; *research*, *data & gap*, *synthesis*, *model* – *integrative overlay* dashboards.
* Marketing-IT [Managed teams @ US, UK, Singapore] 10/2006 – 12/2007

Enterprise BI/Data Governance, Market-to-Lead processes – controls, data quality & privacy; BI, dashboards *(People, Process, Technology)*

Cloud Business Transformation $1Billion initiative 06-08’ with marketing executives towards the cloud platform governance

Supported Marketing Executives on the 07-08’ business transformation initiative and *CID BI Platform* towards Governance priorities

* Worked with the Director of the Customer Intelligence organization to – prioritize, scope and align various data and business intelligence governance issues across theaters, systems and processes in marketing and across organizations via DMM.
* Worked with CMO and Corporate legal, to frame and establish uniform Corporate Global Privacy policies for Country customer data information (PII), and reconcile and align with Country-specific EU, US, UK, Canada, Japan Privacy laws and regulations.
* Worked with APAC, EU, LATAM theater marketing to establish global Data Quality & Data Integration (Trillium tool) to establish and make operational, country data on-boarding† policy, process and control framework, best practices, metrics and scorecards.
* Coordinated with the BI platform teams and the marketing organization to analyze and consolidate the multiple local vertical and technology hierarchies (market segments) across systems, theaters and processes to align with enterprise wide standards.
* Design of integrated market-to-lead business rules/processes and risk analysis, metrics (D&B, AMI, Gartner), scorecards.
* Worked with BI/ETL system designers: operational data store (Oracle), data warehouse (Teradata), dashboards (Siebel).

IT, Data Quality & Privacy, Market Research, Market Planning, Demand Generation, GTM Segmentation, Analytics, Customer Intelligence (Theaters), Sales Strategy, Sales Opportunity; Risks addressed: *Data, Process, Stakeholder, Model, Policy, IT System, Data Privacy, Access, Legal.*

Synergy Research Group / ACG Research 1/2009 – 12/2010

VP Research, Principal Analyst/Consultant, Service Provider Security, Managed Services

Product-line quantitative and competitive analysis reports for telecommunication vendor executives covering Broadband and Cloud.

Clients (2009) –Juniper, Cisco, Alcatel-Lucent, Extreme, Brocade-Foundry, and global telecommunication startups

Reports (2009) – Carrier Ethernet Q1 2009 Market Share Update Report; Managed Services Q1 2009 Market Share Update Report

Managed Services Consulting 1/2005 - 6/2006

Director *(Risk, Compliance & IT Governance)*

Focused on Clients *(Fidelity, JP Morgan and CB Richard Ellis)*, for the BOT global delivery model with vendors in emerging markets

* Structured business process transformation initiatives relating to financial services and banking.
* Coordinated client objectives, process and control reviews, vendor/locale selection, RFP/RFI, risk assessment and mitigation and negotiated the contract and SLA parameters. Executed contractual, commercial documents.
* Regulatory Compliance (Policy, Security, Standards): *S-Ox, CobiT, ISO 17799, ITIL; PCI, FFIEC, Basel II, HIPAA, COSO, GLB, SB*.

Risks addressed: *Sector, Contract, Vendor, Partner, Locale, Financing, IT, Security, Regulator.*

Metavize, Product QA/Operations Manager 6/2005 - 12/2005

* Performed functional and performance testing for a Unified Threat Management appliance (perimeter defense – Firewall, DMZ policy, and mal-ware – Anti-Spam, Anti-Virus, IDS/IPS, HTTP, POP, SMTP, IMAP, SNMP; VPN)
* Setup an internal testing network with Spirent Avalanche and Reflector using a Gigabit Netgear managed switch
* Established a virtualized test-dev software quality and stress test laboratory, with VLANs and VM threads
* Managed the System Operations / VPC Group – install, upgrade, configuration

**Phoenix Technologies Ltd.**, CA 7/2003 - 12/2004

Product Manager/Principal Engineer, Security Products Group

* Managed and coordinated the entire product life cycle of the Secure Flash component for the ‘TrustedCore’ software product launch and effectively aligned with the OEM/ODM/VAR (Fujitsu, IBM and others) field deployment scenarios.
* Gathered, correlated and prioritized customer requirements while demonstrating the customer usage scenarios and benefits. Facilitated the generation of MRD, and prepared PRD, functional and design specifications.
* Coordinated across functional teams in US, Japan, Taiwan and China, to deliver a quality product, on time and within budget. Drove engineering, QA and documentation team to ensure design met market needs and testing met quality.
* Enabled field support team (FAE) to successfully sell, implement and support the product. Worked closely with customers on technical issues coordinating resources internally to provide information towards issue resolution. Delivered customer presentations, demos and training. Phoenix third quarter fiscal 2004 – $23 million.

**Ingrian Networks**, CA (now *SafeNet Inc)* 11/2001 - 5/2002

Product Manager/SSE

* Proposed a secure load-balancing multi-layer switch product line (including evaluation of vendors, hardware design sourcing, OEM), augmenting an x86 core PCI-based appliance to a secure switching platform
* Architected the design specification for a low cost L2-L7 web-switching platform composed of off-the-shelf edge switch-on-chip processors (56xx, CXE), core processors (Sibyte 1250), network processors (IQ2000), security processors (58xx) and local reverse proxy cache storage. Product roadmap interactions with Broadcom, Switchcore, Intel, Vitesse, PMC-Sierra

Co-founder/CTO, Founded and Operated a Mobile Multimedia startup, *Wavestream Networks*, in California, 2001. Provisional Patent: SN# 60/299506. Negotiated technology alliances with industry partners: Cradle, PacketAir. VC: Matrix Partners, Panasonic, NEC, DoCoMo. Charted customer validations with carriers: Sprint, DoCoMo and ATT. Initiated discussions with content owners: Disney, Sony.

**Cacheflow Inc.**, CA (now **Symantec Corporation**/*BlueCoat Inc)* 11/1999 - 3/2001

Senior Engineer, E-commerce Security Appliances Group

* Collaborated with hardware, embedded kernel, SSL and application layer engineers. Multi-site US/Canada.
* Coordinated the entire product life cycle of E-commerce (SSL Cache) appliances for the CF700/CF7000 product launch.
* Executed the integration of SSL cryptography, PCI crypto drivers and Certificate management components, and participated in QA coordination toward product delivery. Fiscal quarter – $32 million.
* Product roadmap interactions with Broadcom, Intel, SiS, VIA. Estimated BOMs and amortized cost matrix.

**Oracle Corporation**, CA 9/1997 - 4/1999

Senior Member of Technical Staff, Advanced Technology Group

* Contributed to *OLA* (Learning Management System) product, currently the OLM product integrated with PeopleSoft HR.
* N-tier collaborative service-oriented architecture (SOA) – Integrated CORBA-based network middleware infrastructure with backend transaction processing Oracle databases and application server, within a distributed framework.
* Addressed secure tunneling of middleware protocols through firewalls and intranets.

**Los Alamos National Laboratory**, NM 8/1990 - 8/1997

* Contributed to the development of POOMA (componentized scientific simulation framework); and parallel sparse matrix/finite-grid simulations on MPP systems, such as T3D, CM5 and Alpha clusters.
* Worked with the *Parallel Virtualized Layer (PAL)* of the framework, constituted by a Virtual Node Manager over physical processor nodes, that handles domain decomposition of application objects over the virtual nodes, message passed communication between virtual nodes, and load balancing of virtual nodes over physical nodes.
* Designed and implemented of sparse matrix classes with optimized and scalable kernel operators, Krylov solvers and pre-conditioners for solving large sparse systems, over the framework.
* NSF Grant partners: California Institute of Technology, Indiana University, University of California, Irvine.

**Computing Research Laboratory** / PSL /Santa Fe Institute 8/1990 - 6/1994

Contributed to Information Fusion; Low Intensity Conflict Analysis; Contributed to the arid land project. Area of original work: Combinatorial information and dynamics.

**National Center For Software Technology**, (now *C-DAC*) 8/1987 - 8/1990

Conceptualized and implemented PASTEL (Direct machine translation system; syntactic, semantic parsers and target language generator). Conducted research studies, interacted and collaborated with Artificial Intelligence researchers worldwide (US, UK, Switzerland, Japan – IIT, IISc, Yale U., CMU, Imperial College, Zurich U., MITI).

**Tata Consultancy Services (TCS)** 1/1986 - 8/1987

Product life cycle of *PRISM* including work study, network, project planning and control, auto-placement

**Accomplishments**

* *Digital Business Transformation* initiatives enabling organizations to innovate from linear to agile, adaptable and super-maneuverable business models, processes and technology, towards dynamically adjusting to customers' needs. The enterprise path is a combination of extensive reshaping of the customer value proposition and a transformation of the operating model. The capabilities to realize this are – business model innovation, customer/community collaboration, cross-channel integration, analytics insight and digital supply chain.
* *Strategy* that shapes enterprise structural conditions through the development and alignment of value proposition for customers, growth proposition leveraging value and resource proposition motivating strategy execution. This alignment leads to a sustainable strategy for competitive differentiation and cost optimization, thus enabling a holistic and integrated approach to digital business transformation.

Cloud Computing/Services, Enterprise Data/IT Processes, Enterprise Security, Distributed Systems, Cloud Platforms, Big Data,

High Performance Computing, Artificial Intelligence, Virtualization, Distributed Systems, Clusters/Grid/ Networking

*Programming Languages:* Scala, Go, Java, C, C++, Node.js, YAML, JSON; Python, Perl, Lisp, Prolog, Pascal, Fortran; Bash, x86

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| **MS (Mathematics)***,* New Mexico State University, 1993  **M.Tech (Computer Engineering)***,* Indian Institute of Technology, 1986  B.Tech (Electrical Engineering), 1984  Artificial Intelligence United Nations Fellow, Yale University, 1989  Computer Science Graduate Research Fellow, TIFR, Bombay, 1985 |

**Addendum**

**Education**

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| **Transformation** | **Vertical** | **Functions** | **Horizontals** |
| Verizon – Cloud Service Broker | Telecommunications | Strategy, Analysis | Cloud, Networks, Security, Big Data |
| Amazon – Cloud Security COE | Retail and Cloud Utility | Strategy | Cloud, Security, Big Data |
| Schneider – OIM Migration | Transportation | Planning, Operations | Applications, Security, DB |
| Broadcom – SOTP Fab Process | Semiconductor, BB Vendors | Operations, Governance | PLM, Fab Sensors, Security, SCM |
| Bank of America – BTO IA | Financial Services | Strategy, Governance | Infrastructure, Architecture |
| Cisco AS – Assessment/Catalog | Technology | Planning, Operations | Cloud, Networks, Security, Algorithms |
| Cisco MIT – CID Integration | Technology | Analysis, Governance | Cloud, Big Data, BI/DW, CRM, DB |

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| **Product** | **PDLC Functions** | **Orgs/Partners** |
| Metavize – UTM Firewall Appliance | Management, Testing, QA | Engineering, Sales; Spirent, SFDC |
| Phoenix – Secure Flash System Software | Management, Design, Development | Engineering, Marketing, OEMs; Intel, MS |
| Simple Devices – Auto Digital Audio | Development, Testing | Engineering, Manufacturing |
| Ingrian – Secure Multilayer Switch | Management, Design | Engineering, Channel; Intel, Broadcom |
| Cacheflow – Secure Cache Appliance | Design, Development, Testing | Engineering, Sales; RSA, HiFn |
| IDS – Federated Data Integration | Performance Analysis | Engineering, Marketing |
| Oracle – OLM Intranet Platform | Design, Development, Scalability | Engineering, Channel |
| Los Alamos – POOMA Platform | Research, Design, Development | Physics, Dynamics; NSF, Caltech, Indiana |
| NCST – Machine Translation | Research, Development | AI/NLP; Yale, CMU, Imperial, Zurich, MITI |
| TCS – Project Planning Automation | Development | Enterprise Software |

Cloud Platforms: AWS, Azure, Workloads, Multi-Tenancy, Scalability, Elasticity, Orchestration, Resource pooling, Compliance

Cloud Security: Infrastructure security, Data security, Identity and Access Management, Access control, Availability, Privacy, VPC

Cloud Services: ROI, TCO, provider/broker SLA, IT project management, contract and vendor management, chargeback and price modeling, supply chain management, and capacity planning, SOA architectures, Microservices, Devops

Enterprise Security: Web security, Identity management, Policy management, Threat management, Device security, Security gateway

Public/Private/Hybrid Cloud, Virtualization, Orchestration, SDN, OpenStack, Hadoop, Container, Docker, Spark, Deep learning

USPTO Patent: *“Secure Firmware Update”*, SN# 11/026,813, Dec 29, 2004; Phoenix Technologies. PCT/US2005/043606, Jun 7, 2006.

Five Grants & Contracts [1992-98]

*National Science Foundation,*09/01/95-08/31/98; *Los Alamos National Laboratory,* 10/21/94-08/31/95 (High Performance Computing)

*U.S. Army Corps of Engineers,* 01/02/94-12/31/94; *Lockheed Company, Inc*(Austin Division), 01/02/93 -12/31/93 (Information Fusion)

*National Science Foundation*, 06/15/92 -11/30/94 (Complex Systems)

Eight Conference/Book Publications [1986-96]

*J.V.W. Reynders,* P. J. Hinker, J. C. Cummings, S. R. Atlas, S. Banerjee, W. F. Humphrey, S. R. Karmesin, K. Keahey, M. Srikant and M. Tholburn, (1996), POOMA: A Framework for Scientific Simulations on Parallel Architectures, In Parallel Programming using C++, Chapter 14, pp. 547-587, MIT Press.

*J. V.W. Reynders*, P. J. Hinker, J. C. Cummings, S. R. Atlas, S. Banerjee, W. F. Humphrey, S. R. Karmesin, K. Keahey, M. Srikant and M. Tholburn, (1996), POOMA: A Framework for Scientific Simulations on Parallel Architectures, Proceedings of the International Parallel Processing Symposium (IPPS 96), 1st International Workshop on High-Level Programming Models and Supportive Environments (HIPS 96) , Honolulu. IEEE Computer Society Press.

*J.V.W. Reynders,* J. C. Cummings, M. Tholburn, S. R. Atlas, S. Banerjee, M. Srikant, P. J. Hinker, W. F. Humphrey, S. R. Karmesin, K. Keahey (1995), POOMA-Parallel Object-Oriented Methods and Applications, Virtual Environments and Distributed Computing, Super Computing’95, San Diego, CA.

*R. Chandrashekar,* M. Srikant, and S. Ramani (1989), An Integrated Approach to Analysing News Stories, Proceedings of the Workshop on Natural Language Processing, Roorkee, India, Jan 19-20.

*M. Srikant,* R. Chandrashekar, and S. Ramani (1988). An Interactive Analyser for Natural Language Sentences, Proceedings of the Conference on Knowledge Based Computer Systems, Bangalore, India, Jun 10-11.

US Citizen‡

**‡PR:** Section 203(b)(2) waiver petitioned by US Department of Energy & US Department of Defense as *‘Researcher of Exceptional Ability in the National Interest’* (1995).