

Srinivasa Shivakar Vulli

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Education

M. S. in Computer Science,
Missouri University of Science and
Technology, 2010

M. S. in Mechanical Engineering,
Missouri University of Science and
Technology, 2008

B. Tech. in Mechanical Engineering,
Acharya Nagarjuna University,
Vijayawada, India, 2004

Specialities

Artificial Intelligence, Machine
Learning, Analytics, High Performance
Computing, Parallel Programming

Full Stack Development, Enterprise
Architecture

Product Strategy, Lean Project
Management, Client Engagement,
Pricing

Certifications

Red Hat Certified Engineer
March 14, 2005
Certificate No.: 803005933514227

Skills

C, C++, Python, Go, Java, Matlab

OpenMP, OpenMPI, CUDA, Spark,
Hadoop Ecosystem

Pandas, Numpy, Scipy, TensorFlow,
MLlib

MySQL, PostgreSQL, MS SQL Server,
Redis, MongoDB, Elasticsearch

Django, Flask, Spring

HTML, CSS, Javascript, jQuery,
Bootstrap

Tableau, D3.js, GraphViz

AWS, Azure, Google Cloud, Rackspace,
Linode, Digital Ocean

Professional Summary

- Versatile development manager and full stack developer with extensive experience in enterprise architecture, strategy, design and development.
- Deep experience in client development, service and achieving sustained client satisfaction and retention.
- Excellent communication skills with the desire to mentor and share expertise with the team.

Experience

In4mation Insights LLC, Needham, MA

[May. 2016 - Nov. 2016] Managing Director, Information Engineering and High Performance Computing (IE & HPC)

[Nov. 2014 - May. 2016] Senior Director, IE & HPC

Responsible for vision, strategy, and engineering of information services including IT infrastructure, hardware and software architectures, SaaS platform, ETL and big data management, security and disaster recovery.

Designed and developed innovative architectures and SaaS products for price, media and promotion planning & optimization; packaging and sensory analysis; real estate and site location management; historical data management; and new product innovation & evaluation.

[Apr. 2012 - Sept. 2014] Director, IE & HPC

Designed and developed enterprise services and SaaS analytics applications for CPG/FMCG retailers and manufacturers, B2B and B2C online retailers, restaurant chains and hotel groups and after market retailers.

[Sept. 2010 - Apr. 2012] Senior HPC Engineer

Responsible for parallelizing and optimizing Bayesian analytics algorithms; standardization of software development and deployment procedures; selecting new software stacks for application development.

Championed the adoption of open-source software for data processing, analytics and application development.

Oak Ridge National Laboratory, Oak Ridge, TN

[June. 2009 - Dec. 2009] Advanced Short Term Research Opportunity (ASTRO) appointment, Computational Earth Sciences Group, Computer Science and Mathematics Division

Designed, developed and improved multivariate cluster analysis methodologies to facilitate model-data comparison for observations from DOE's Atmospheric Radiation Measurement (ARM) program.

Developed parallel clustering and machine learning algorithms for leadership class supercomputers including Jaguar (Cray XT5), the world's fastest supercomputer at the time.

Airborne Reconnaissance and Image Analysis (ARIA) Lab, Rolla, MO

[June. 2006 - July. 2010] Graduate Research Assistant

Worked on various inter- and multi-disciplinary projects with concentration on evolutionary algorithms, agent-based models, multi-objective optimization, artificial life, image processing, anomaly detection, robotics, artificial intelligence and machine vision.