



SK Tondwalkar

Engineering Leader

Name

Sarojkumar B.
Tondwalkar



Nationality

United States

Contact

+1 (571) 488 0592
sarojbt@yahoo.com

Address

14014 Eagle Chase Cir
Chantilly, VA 20151
USA

Interest

Build highly efficient agile teams. Build secure, highly resilient systems and cost saving architecture for future business growth. Employ data gathering, business intelligence and machine learning to transform business.

Experience

- 08 2012- . **Capital One, McLean, USA** [Sr Manager Engineering](#)
Build strong agile teams - RESTful service, devops, commercial bank, IAM.
- 06 2006-12 **Fannie Mae, Washington D.C., USA** [Sr. Production Manager](#)
Build and own(E2E) trade decision system; compliance certification; DR
- 06 2000-06 **S.W.I.F.T. (Interbank Telecommunication), NoVA** [Sr. Technical Lead](#)
Build automated QA; performance tuning; capacity planning

Applications

- Current **DISRUPT banking technology** [capitalone.com](#)
Build secure and resilient API on AWS cloud using Container management and Agile Methodology
• Small business marketing - Architect, API Coach, Microservices, Devops, Serverless, Automation, CICD
• IAM - Facial recog, Identity capture, conversion from RSA to Forgerock, MFA
• Commercial banking - Risk assessment workflow, PMT and treasury management
- 2012 **Trade decision-ing Webapp systems** [fanniemae.com](#)
System ownership; Resiliency and Audit
• From design to operations - Interest Rate DB and Data Analytics Engine
• Sox and regulatory compliance monitoring and certification
• Disaster recovery strategy, exercise and maintenance
- 2006 **Resilient, high quality and HA system** [swift.com](#)
• Quality, performance tuning and capacity planning and provisioning for future
• Auto error detection and recovery with a living knowledge based system
- 2000 **Build framework for interoperable systems** [verizon.com](#)
• Build RPC CORBA compiler and IIOP for various languages, Publish/Subscribe event services engine from W3C standards

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Leader

tools

Java Clojure C++
Git Maven Jenkins
Gherkins ATDD CI/CD
aws-cli CFT Terraform
Python Ruby CSS
HTML
Angular Javascript
JBOSS Weblogic
Postgres
Open source (OSS)

technologies

Microservices
Docker, ECS
(Containers)
Serverless
aws computing (IAAS)
RESTful and SOAP
oAuth OpenID connect
Agile SAFE
Pub-Sub Event Svcs
RPC CORBA and IIOP

sectors

Banking
Financial
Telecommunication

certification

AWS assoc architect
Data Security
TOGAF 10
Chef
Agile methodologies
Forgerock IAM
Performance tuning
Databases
Communication

Education

Ph.D. candidate in Computer Science

George Mason University, Fairfax, VA

Improving efficiency of parallel processors

M.Sc. Computer Science with High Distinction

University of Bombay, Mumbai

Specialization in real time database systems

B.Sc. Physics with Highest Distinction

University of Bombay, Mumbai

My Business Value

Commitment to business, for a high throughput real-time solution. Balancing between priorities, time to market and technical debt. Coach business leaders, executives and partners in mindsets to understand agile and change the way they engage with product and engineering to ensure more value is delivered to the organization.

My Leadership

Strong analytic skills and ability to foresee and manage risk. Mastery of complex facilitation and dependency management techniques. Influencing skills to effectively drive project and program efforts across all levels of the organization. Work across teams in a matrix organization. Build highly skilled and motivated devops teams for dynamic and complex projects. Fail fast, fail often, fail forward a route to enhance rate of success. Use metrics to monitor progress, quality and value.

Technology Imperatives

Adopt apt technologies, use open source and cloud computing, encourage inner sourcing and collaborative contribution model. Reuse over reinvent. Stay current on technology stack. Strong awareness of domain architecture and system interfaces. Strategize technology imperatives of security, resilience, scaling, automation and monitoring.

Skills

Empower ★★★★★
Mentor ★★★★★
Empathize ★★★★★
Innovate ★★★★★
Processes ★★★★★

Open source ★★★★★
Cloud first ★★★★★
Automation ★★★★★
DevOps ★★★★★
Agile ★★★★★

Security ★★★★★
Resilience ★★★★★
Audit and Risks ★★★★★
Proactive ★★★★★
Metrics ★★★★★