



# 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 DevOps 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](#)  
Built 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 **Built 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 **Built 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 **Built 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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## 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)  
API - RESTful, 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 ★★★★★