



Summary

About me

As a Full Stack Developer/Cloud Professional

I am well-experienced in deploying **laC** using **Terraform**, and have substantial expertise in deploying **AWS CDK** stacks (**C#.Net primary, Typescript, secondary**), **CI/CD (Bitbucket, Azure DevOps)** with extensive C#, and good Python, JavaScript, Typescript experience.

The stacks and terraform configurations that I have worked on are as follows:

- + **Cloudfront Distribution/Lambda@Edge/Cloudfront Functions**
- + **s3** - data lake, event notification, inventory, logging, intelligent-tier, replication, static website, bucket encryption
- + **Api Gateway** - Lambda integration (proxy and non-proxy), Models, Request/Response integrations,
- + Restsharp integration client from swagger autogen code
- + **Lambda** - python, typescript
- + **Dynamodb** - indexes and tables
- + **SQS** - Queues, Queue policy, subscription
- + **SNS** - Topic, Subscription, Bucket notifications
- + **SAML** - Integration with Azure
- + Cloudformation template transformation for all above (except Cloudfront Distribution and Data Lakes) with AWS CDK .Net using C#
- + **Cloudwatch** logs

As an Agile practitioner/remote worker

I am an Agile practitioner with over 25+ years of work experience in the software development industry but am still an active, hands-on programmer!

I have been working mostly on remote jobs since 2013 with a few non-remote jobs in 2015 and 2016.

I am a firm believer in Agile software development practices and am passionate about inculcating the same in progressive minded teams and organizations.

My key strengths are in architecting software solutions for the cloud (aws, Google Cloud and Azure), web platforms, and as an Agile team/organizational transformation coach.



My contributions to the Agile community have been in the form of a **Chief Organizer of the Agile Tour 2010** in New Delhi NCR region on behalf of the Agile Software Community of India plus in fostering the Agile spirit by introducing Agile chapters in Noida, Gurgaon (the Delhi NCR region).

As an open source developer, I have contributed on NUnit Open Source project on a major fix for "Platform 2.0 detection" - using TDD and remote pair-programming. **Reference link provided.**

I have been in leadership role(s), **mentoring, executing delivery** processes or creating processes since 2009 for various team structures, ranging from **co-located to virtual to remote**, in mostly Agile projects.

- I am a **Certified Safe 4 Agilist**, a **Certified Scrum Master** and an experienced Agile Coach/Scrum Master and have worked with high performing, cross-functional, self-organizing Agile teams
- I have expert knowledge of **Scrum**, Kanban, **XP** and working knowledge of other frameworks like **SAFe**, **Scrum @ Scale**, **LeSS**
- I am as comfortable acting as Scrum Master within a team as I am coaching Agile values to business and Executive stakeholders
- I am very strong in Agile practices such as **TDD**, **BDD**, CI/CD/DevOps/BizOps
- I am active in the Agile community

Experience, skills, certifications

- I am a Certified Scrum Master, Certified Safe 4 Agilist, and an experienced Agile Coach/Scrum Master and have worked with high performing, cross-functional, self-organizing Agile teams
- I have expert knowledge of XP, Scrum and Kanban
- I have an insatiable appetite for continuous improvement and solving problems.

Accomplishments

Architecture based solutions (proprietary innovations)

1. Automation of the BDD framework

Technology stack:

Architecture: FaaS

Cloud: AWS – Lambda functions, S3 buckets, Serverless, Layers, SES

Language: Typescript, Gherkin

Testing tools: Jest, Jest-Cucumber



Framework: NodeJS, Serverless

CI/CD/DevOps: Jenkins, Git, AWS CodeCommit, AWS CodeDeploy, EC2

- **DevOps with Jira integration**

2. Serverless REST API

1. on the Google Cloud Platform

Technology stack:

Architecture: Function as a Service (FaaS), Serverless, Microservices

Cloud: Google Cloud Function, Firebase functions

Language: NodeJS, Typescript, Es6, JavaScript

Others: JSON, Bluebird, Kaggle dataset, Jupyter (Javascript) notebooks, Anaconda, Postman

NoSQL: MongoDB

2. on the AWS Cloud

Technology stack:

Architecture: Serverless

Cloud: API Gateway, Lambda functions, Serverless, CloudWatch, EC2, Layers

Language: NodeJS, Typescript, Es6, JavaScript

Others: JSON, Bluebird, Kaggle dataset, Jupyter (Javascript) notebooks, Anaconda, Postman

NoSQL: MongoDB

Agile

1. Chief organizer of Agile Tour 2010 on behalf of ASCI

Software Development

- **Open Source Developer – Nunit**
- **Npm package at npm – es6 / javascript**
<https://www.npmjs.com/package/removeduplicatesfromarrayoffarrays>
<https://www.npmjs.com/package/deduplicatearrayofstrings>

Agile Evangelism - (2006 - 2012)

- Helped ASCI in initiating an ASCI Noida chapter
- Helped ASCI to organize the Agile Tour 2010 conference in Noida, Delhi NCR
- Board member of ASCI as Communication Secretary
- Speaker at various ASCI conferences since 2006
- Guest Speaker at NCACT, 2011, Amity University, Noida. <http://www.youtube.com/watch?v=2qTRSnY04Gs>
- Presented on Game Testing for VodQA at Thoughtworks, Gurgaon, 2012.

<http://testing.thoughtworks.com/events/the-testing-spirit?contactID=166325281&gwkey=SHDWI42QAU>



Skills

Specialized

- **Management & Process: Agile** (Scrum, XP, Kanban, Lean), CMMi 3, ISO/ISMS
- **Agile Software development practices: BDD, TDD**
- **Frameworks:** Node.js, .Net technologies, **REST api**, Web Services, Cocoa
- **Architecture:** Serverless, **FaaS**, MVVM, MVC,
- **Tools:** Visual Studio (TFS, VSTS), Eclipse, mocha/chai, NUnit, Jest, Jest-Cucumber, Mocha, Jasmine, fitnesse, DbFit, slim, slimjs
- **Agile PM:** Jira, Mingle, Asana, Azure DevOps
- **Languages:** C#, Javascript, Typescript, es6/7
- **Databases:** MongoDB/Atlas, SQL Server
- **CI/CD:** AWS DevOps, Azure DevOps, Jenkins, Travis, Git
- **Cloud:** Cloud functions, Lambda functions, AWS API Gateway, AWS S3 Buckets, AWS IAM, AWS EC2

Working knowledge

- Cloud – Azure, Google Cloud Platform
- SDKs – Facebook, Twitter, Google APIs

Certifications

- **Certified Safe 4.6 Agilist** (2019 -) Verify link: https://www.youracclaim.com/badges/59e5f696-fede-47c4-8152-92a56c6044ba/public_url
- **Certified Scrum Master** (2010 -) Verify link: <https://certification.scrumalliance.org/accounts/100424-ravichandran-j-v/certifications/104930-csm>
- Certified internal auditor – ISO, ISMS, CMMi 3 (2009-)
- Microsoft Certified Professional (2004 -)

Agile relevant experience



- Scrum Master experience – **5+ years**
- Experience working in multiple Scrum teams in different contexts (different team sizes, different organizations, different cultures, co-located vs. distributed, etc) working at Enterprise level – **8+ years**
- Knowledge of other approaches discussed in the Agile space: XP, Kanban – **3+ years**
- Knowledge and/or experience with widely successful Agile techniques: User Stories, ATDD, TDD, BDD, Continuous Delivery, Continuous Integration, Continuous Testing, Pairing, Automated Testing, Agile Games – **6+ years**
- Architect experience – **3 years**

Key roles

- Technology Specialist/Solution Architect
- Agile Transformation Coach
- Process Analyst
- Internal Auditor
- Agile Architect

Current Occupation

- Full Stack Developer/Cloud Solutions Architect at Upwork since 2016

Career Details

Experience

- Worked with Fabcode technologies pvt ltd, as Chief Technology Officer, January - March, 2016.
- Worked on Azure/AWS, ASP.Net, C#/VB.Net, JavaScript, jQuery projects on oDesk since 2013 till 2015.
- Agile Software consultant, Upwork (formerly oDesk), October - December, 2015
- Worked with Stixis Technologies Pvt Ltd, Bangalore, as a Solutions Architect, April - September, 2015
- Consultant to World Bank initiated ICT Workshop, Ministry of Education, Bihar, 2012.
- Worked with JK Technosoft Ltd., Noida, as Group Manager – Microsoft Technologies and Agile Mentor between March, 2007 to September, 2011.
- Worked as Technical Trainer for Quark Media House India Pvt Ltd from June 2005 to February. 2007.



Roles & Responsibilities

Full Stack Developer (Remote) - 2021-

- Create Terraform configuration to deploy AWS stacks (Stacks deployed enumerated above)
- Develop & Deploy Lambda functions using python
- Deploy and test AWS stacks

AWS CDK Developer (Remote) - 2021

- Migrate existing Cloudformation stacks to CDK stacks using C# .net as the development language
- Details of stacks migrated enumerated above

CI/CD - Atlassian stack workflow - Pipelines, Azure DevOps & Deployment (Remote) - 2020 -

- Manage Bitbucket pipelines

Scrum Master

- Manage Sprint
- Facilitate Scrum team
- Transform organization-wide work culture
- Monitor and report progress of Sprint
- Sprint goals

Solution Architect

- Devise Product Solutions

Product Owner (Surrogate)

- Devise Release Plan
- Devise tasks for new Sprint

Agile Mentor/Trainer/Coach

- Mentored off-shore-onsite interactions
- Enabled an Agile Infrastructure
- Monitored team confidence levels, Stand-Ups, Retrospectives
- Initiated ScrumMaster certifications for senior managers and an organization-wide Agile awareness program for a year.



- Provided training materials on Unit, Mock and Acceptance Testing. (NUnit, JUnit, Fitnesse, EasyMock, RhinoMock)
- Trained new recruits on achieving code coverage, continuous integration, and team velocity.
- Introduced team artefacts like planning poker cards, story cards and Agile games into the project life cycle.
- Helped in setting up an Agile academy in JK Technosoft Ltd. that involved interactions, getting the sign-off, approval and backing of the board of directors and senior management.
- Formed an Agile Foundation Program for new recruits into Agile Projects. Key goals to establish Agile principles, values and standard engineering practices across the entire team.
- Devised various day-to-day interactions between Agile and non-Agile project teams
- Conducted many internal evaluation projects before deploying Agile-ready teams.

Other Work Experience

- Worked on Azure/AWS, ASP.Net, C#/VB.Net, JavaScript, jQuery projects on oDesk since 2013 till 2015.
- Offered consultancy on the One Laptop Per Child Laptop (OLPC) for a World Bank initiative on ICT Devices on behalf of OLPCi for the State Education of Bihar – 2012 - 2013.
- Worked as Technical Trainer for Quark Media House India Pvt Ltd from June 2005 to February 2007.
- Worked as Group Manager/Agile Coach/Process Specialist-Internal Auditor for JK Technosoft Ltd. 2007-2011
- Worked as Solution Architect for Stixis Technologies Pvt Ltd. 2015

Process Metrics, Audit guidelines (ISO - CMMi - Agile)

- Helped to establish an Agile Estimation process metrics for a CMMi/ISO/ISMS based process model
- Helped to lay down audit measures of Agile projects for CMMi conformity.
- Helped to establish training guidelines to conform to CMMi requirements.



Client(s) List - Software Solutions & Corporate Training

- Rampit, USA
- HeliumEdge, USA
- Technics Publications, USA
- LionBridge Technologies Pvt Ltd., Chennai
- CapGemini, Chennai
- Werkrooster, Belgium
- Smart, UAE
- FreeHold Express, New Zealand
- CloudTech, UAE
- Grundfos, New Delhi
- Fastbooking, Gurgaon

- HCL Technologies, Chennai/Noida
- Xansa, Noida
- Birlasoft, Noida
- CTS, Chennai
- Wipro, Bangalore/Noida
- Cariator, Bangalore
- Symphony, Bangalore
- Thompson Reuters, Bangalore
- Fidelity, Gurgaon
- Microsoft (NIC, Ministry of Education, Department of Posts, Kancheepuram University and other universities)
- Quark, Chandigarh
- Universal Power Transformers, Bangalore
- NIIT, Greater Noida

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Tags

#cloudarchitect #solutionarchitect #cto #agilecoach #scrummaster #TDD #BDD #devops #ci #cd #aws #azure #googlecloudplatform #nodejs #typescript #opensourcedeveloper #cloudfunctions #apigateway #restapi #lambdafunctions #awslayers #awsses #microservices #serverless #mongodbatlas #nosql #kanban #xp #faas #globalscrum2020reviewer