



Personal Details

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Technologies

JEE, Spring, Spring Boot, Spring Boot Plugins, Spring Cloud, GoLang, Angular, AngularJS, Android Native, HTML/CSS.

Platforms

Docker, Kubernetes, Pivotal Cloud Foundry, Cloud Virtual Machines, Service Meshes, Knative.

Architecture

Micro-services, Design Patterns, Messaging, Streaming, Multi Cluster, Kubernetes CRDs and Reconcilers.

Logs and Analytics

LogInsight, AWS CloudWatch, ELK, VMware Tanzu Observability (Wavefront)

Infrastructure

Compute: AWS EC2, Azure Virtual Machines, Google Virtual Machines.

Containers: AWS ECS, AWS ECR, AWS EKS, Google Kubernetes Service, Azure Kubernetes Service.

Storage: AWS S3, AWS EBS, Azure NetApp Files, Custom NFS Server, Google Filestore.

Abhijit Patharkar

Incoming Student at Columbia University - School of Professional Studies (Master's in Technology Management)

Bachelor of Engineering - Computer Science (2008)

About Me

More than 15 years of total work experience and currently working as a [Staff Engineer](#) at VMware (Modern Applications and Management Group) on building products around modern application architecture primarily around Kubernetes. Prior to VMware I founded a technology consulting startup called Scriptuit Technologies with a focus on scalable cloud architecture and building products from scratch on cloud. This gives me a unique experience of hands-on development, design and architecture, team building and leadership. I pride myself in debugging issues, logs with great speed.

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 Apartment 4E, 520 W 123rd St, New York, NY 10027 (Temporary)

Patents:

[Cloud-Distributed Application Runtime - An emerging layer of multi-cloud application specific fabric](#) (Patent pending)

Designing and defining a common cloud abstraction layer for application services, containing platform-level functionality that improves ongoing deployments and resiliency of distributed applications spread across multiple clouds (Public and Hybrid). Kubernetes forms the bottom most layer, service mesh the next layer, and then cloud runtime sits on top of service mesh to offer the various cloud runtime QoS service functions.

Talks:

Taking a Modern Approach towards Application Resiliency

[Click Here](#) to view the talk/session given at VMworld 2021 giving a unique perspective on modern resiliency patterns. (Available to view with a free registration, can share my login details on-demand).

Professional Journey

Mar 2021 to Aug 2023

VMware Software India Pvt. Ltd.

Staff Engineer (Office of the CTO / Network and Security Business Group's CTO Office / Modern Applications Group)

My primary focus was on research and implementation of a novel idea called Cloud Runtime and my primary roles and responsibilities were to implement an already published paper on the topic and present a working demo in their yearly flagship event, VMExplore. Then I was also responsible and a part of the patent submission on the same topic. Later on I was also responsible for designing and executing a new product from scratch in the API domain. Additionally, was involved in building the team by being on the interview panel.

Provisioning: Terraform, AWS CloudFormation, Azure Resource Manager, Ansible.

Build

Maven, Gradle, Node Package Manager, Buildpacks, Kpack.

CI/CD

ArgoCD, FluxCD, Jenkins, Concourse, AWS CodeBuild, AWS CodeDeploy, AWS CodePipeline, VMware Tanzu Build Service, VMware Tanzu Application Platform, Flux CD, Gitlab Runners, Kpack, GitOps.

Service Meshes

Istio, VMware Tanzu Service Mesh, AWS App Mesh, Gloo Mesh, Linkerd.

Code Repositories

GIT (GitHub, GitLab), GitHub Pipelines, GitLab Pipelines and Runners, Perforce, SVN.

APIs

REST, gRPC, GraphQL

June 2015 to Feb 2021

Scriptuit Technologies

Founder & CEO (Proprietor)

I started my own Technology Consulting Company called Scriptuit Technologies with a focus on solving complex problems for customers using technology. My clients included enterprise companies like VMware, Microsoft as well as startups spread across the United States of America, Australia, Europe and India. The key responsibilities here were pre-sales, convincing CTOs of customer companies about my company’s technical expertise, leading the team of around 20 technical engineers, driving them, guiding them to name a few.

May 2012 to May 2015

Mindstix Technologies Pvt. Ltd.

Delivery Head and Lead Architect

Worked as a Delivery Head and Lead Architect at Mindstix Software Labs Pvt. Ltd. where my key responsibilities were Hiring and mentoring a development team, managing multiple accounts and projects, hands-on coding on at-least on project. At Mindstix, my focus shifted on a much broader role than just coding, and one of my key responsibilities was execution, which later on became my USP. At Mindstix, the key technologies that I worked on were Spring (JEE/JAVA), AngularJS, Angular, Ionic, Appcelerator, Android Native.

June 2009 to May 2012

Clarice Technologies (Now Globant)

Senior Software Engineer

I worked on applications in the Social Network space, EDA on Cloud, and Transaction Banking System. My prime focus was scalability, cloud technologies, and I was tasked to work on technologies like Zend Framework (PHP), Struts (JEE/JAVA).

July 2008 to June 2009

Spectra Infowave

Developer

I worked as a Developer with the primary responsibility to work in PHP and MySQL. I developed modules in the applications related to the education domain.

Key Projects

Tanzu Service Mesh for VMware

This next-gen Service Mesh product with unique go-to-market features was incepted by VMware and I was an integral part of this product building key features like Global Namespace, Traffic Shifting/Management and Multi-Cloud Deployments.

EDA on Cloud at Globant

This was a over ambitious, ahead of its time product incepted by a Silicon Valley start-up in the space of Electronic Design Automation back in 2010.

EVO:Rack at VMware

Dubbed as Evolutionary (EVO) by VMWare, it provided the capability to the server rack users to plug and play their racks with complete automation.

Personalised ads and reduced mobile bill at Scriptuit Technologies

Incepted by a Seattle based start-up and partnered by Marshawn Lynch, this product server personalised ads to the user's lock screen and engaging with these ads would earn them points which would eventually reduce their mobile bill.

Cloud Runtime and API Management at VMware

Cloud Runtime which was later submitted as a patent, and API Management portal focussing on the lifecycle of an API in a API first and a code first world. Dealt with API security, API Resiliency, API Design, and API Deployment on a Multi-Cloud setup.

IOT Based data streaming platform at Scriptuit Technologies

Incepted by Bangalore based start-up, This IOT based platform was designed and developed to consume a data and metrics stream from devices designed to collect data from movie theaters and build an analytical solution to provide to movie producers.

Automated CI/CD Pipeline solution for VMware

This unique and opinionated application helped IT teams of companies to quickly build and deploy applications on any given platform. It helped automate the application's path to production using pipelines and saved huge developer hours increasing productivity.

Few more projects

UK to India mobile remittance for Axis Bank UK

Productise Ticketing Solution for Large Scale Enterprises for VMware

Productise Ticketing Solution for Large Scale Enterprises for VMware

Academic Journey

