# Sudhindra Rao

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* Experienced Engineer with a keen sense of building what a team needs - software and culture.
* Experienced with building applications for - healthcare, media, voter campaigning.
* Experienced in building real distributed systems on different Cloud systems as well as standalone
* I like to do hands on work while teaching and have been successful in developing teams with sustainable/continuing learning culture.
* In healthcare, I have built a large scale diabetes datalake at Glooko.
* Most recently I have been building a kubernetes platform(VMware Tanzu) which removes the Ops from kubernetes

## Education

2003-2007

**PhD Candidate, Computer Science**; University of Cincinnati

*Thesis title: Distributed data replication and data availability in loosely connected systems*

2000-2003

**Master of Science, Computer Engineering**; University of Cincinnati

1997-1999

**Master of Technology, Electrical Engineering**; IIT Bombay

## Experience

VMware 2020 - Present

**Software Delivery Lead**

* Building a kubernetes platform(Tanzu Kubernetes Grid -TKG) that is easy to maintain and upgrade
* Building a better organization with simple team principles of feedback and sustainable pace
* Engineering for maintainability over building the perfect solutions
* Managing team delivery schedules
* Providing architecture and continuous delivery process direction

Pivotal Software 2018 - 2020

**Software Delivery Lead**

* Bridging the gap between development and delivery for Pivotal Container Service(PKS) now VMware Tanzu
* Increasing visibility of code and its flow through the system
* Creating mentorship opportunities for people around me
* Building a better organization with simple team principles of feedback
* Engineering for maintainability over building the perfect solutions.
* Build CI/CD practice for building complex component integrations
* Built a Release Engineering process/practice for traceable delivery

Sahaj Software 2017 - 2018

**Solutions Consultant - Data Management and Machine Learning**

* Building Data intensive applications
* Using Machine Learning to help making decisions
* Applying Blockchain for non-traditional use cases.
* Building a DevOps and Continuous Delivery Practice

Glooko Inc. 2015 - 2017

**Principal Software Engineer/Engineering Manager**

* Built a platform that aggregates and analyzes Billions of diabetes related data points - one of its kind in the industry
* Built an organization around building HIPAA and FDA compliant Device software
* Hired and trained the frontend/mobile app development teams
* Developed Continuous Delivery culture
* Integrated with the world’s best AI system to data analytics
* Built and delivered processes around security of data and patient safety
* Built a culture around better leveraging UX teams
* Engaged and developed an employee review process to reflect the culture and goals of the company
* Consistently delivered features in a highly regulated environment with high quality and auditability
* Developed team confidence and culture around making decisions - product as well as engineering

ThoughtWorks Products 2011 - 2015

**Lead Developer on Mingle**

* Lead for implementing ElasticSearch based search for the installed version of Mingle
* Lead on the team for moving Mingle from installed to be cloud-based Saas solution
* Promoted and leveraged AWS ElasticBeanstalk for trouble-free continuous delivery
* Developed unique interfaces to Mingle with IOT and AI

## Notable publications

* [My Ruby Story (Podcast) - on Ruby Rogues](https://devchat.tv/ruby-rogues/mrs-029-sudhindra-rao)
* [Mingle, 10000 tests and a CD pipeline on JRuby (Podcast) - on Ruby Rogues](https://devchat.tv/ruby-rogues/194-rr-real-life-jruby-with-sudhindra-r-rao)
* [EbDeployer - Automate your deployments with ElasticBeanstalk - ThoughtWorks Insights](http://www.thoughtworks.com/insights/blog/ebdeployer-automate-your-deployments-aws-elastic-beanstalk)
* [How Mingle built its ElasticSearch cluster on AWS - ThoughtWorks Insights](http://www.thoughtworks.com/mingle/news/scaling/2015/01/06/How-Mingle-Built-ElasticSearch-Cluster.html)
* [How we moved to the cloud - ThoughtWorks Insights](http://www.thoughtworks.com/insights/blog/how-we-moved-cloud)

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