

# Vijayaraghavan APPARSUNDARAM

## PERSONAL INFORMATION

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ADDRESS: 5343 Tallman Ave NW, Seattle, WA  
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## WORK EXPERIENCE

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JUN 2013 PRESENT	SDE at AMAZON WEB SERVICES <i>Region Build Automation</i> I work on a service that lets AWS's partners in China manage and operate the region. I previously worked on a platform used to provision cloud computing infrastructure in in-flight data center regions and services for automating data center operations
JUN 2012 AUG 2012	SDE Intern at AMAZON WEB SERVICES <i>Data Center Systems</i> I worked on the infrastructure administration team, building a graph database service running on top of DynamoDB to store AWS's hardware topology. I received a patent for this work.
DEC 2008 MAR 2011	Software Engineer at READ-INK TECHNOLOGIES <i>Handwriting recognition</i> I worked on Read-Ink's handwriting recognition engine. I implemented a DSL to describe the geometric characteristics of handwritten characters and graph-based data structures for storing and assigning probabilities to handwriting data
JUN 2008 DEC 2008	Member of Technical Staff at ADOBE <i>Adobe Captivate</i> I worked on Captivate, an e-learning tool. I developed a feature to preview, navigate and organize slides into groups and extended a library to convert PPT files to SWF files by adding support for new autoshapes

## EDUCATION

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APRIL 2013 Master of Science in COMPUTER SCIENCE, **University of Massachusetts**, Amherst  
GPA: 3.88/4  
COURSES: Systems; Artificial Intelligence; Algorithms; Information Theory

APRIL 2008 Bachelor of Technology in COMPUTER ENGINEERING, **NITK**, Karnataka  
GPA: 7.05/10  
COURSES: Operating Systems; Databases; Algorithms; Discrete Mathematics

## SKILLS ETC

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LANGUAGES: Ruby on Rails; AngularJS; Java; C++  
TECHNOLOGIES: RDS Aurora/MySQL; DynamoDB; EC2; AWS Simple Workflow; Cloudformation; SNS; SQS  
PATENTS: No.9734247: 'Topology Service Using Closure Tables And Metagraphs'