

# Vijayaraghavan APPARSUNDARAM

## PERSONAL INFORMATION

---

ADDRESS: 5343 Tallman Ave NW, Seattle, WA  
PHONE: +1 206 201 4360  
EMAIL: [vijaywalker@gmail.com](mailto:vijaywalker@gmail.com)

## WORK EXPERIENCE

---

|                      |  |
|----------------------|--|
| JUN 2013<br>PRESENT  | <b>SDE at AMAZON WEB SERVICES</b><br><i>Region Build Automation</i><br>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<br>AUG 2012 | <b>SDE Intern at AMAZON WEB SERVICES</b><br><i>Data Center Systems</i><br>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<br>MAR 2011 | <b>Software Engineer at READ-INK TECHNOLOGIES</b><br><i>Handwriting recognition</i><br>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<br>DEC 2008 | <b>Member of Technical Staff at ADOBE</b><br><i>Adobe Captivate</i><br>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

---

|            |  |
|------------|--|
| APRIL 2013 | <b>Master of Science in COMPUTER SCIENCE, University of Massachusetts, Amherst</b><br>GPA: 3.88/4<br>COURSES: Systems; Artificial Intelligence; Algorithms; Information Theory |
| APRIL 2008 | <b>Bachelor of Technology in COMPUTER ENGINEERING, NITK, Karnataka</b><br>GPA: 7.05/10<br>COURSES: Operating Systems; Databases; Algorithms; Discrete Mathematics              |

## SKILLS ETC

---

|               |  |
|---------------|--|
| 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'             |