

KARTHIKK DHANDAPANI

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EDUCATION

Masters Of Science, Computer Science

University of Houston, Texas, USA (GPA: 3.76/4.00)

Expected May 2017

Bachelor of Engineering, Computer Science

ACCET, Karaikudi, India (GPA: 7.98/10.0)

Awarded May 2013

KEY SKILLS

- Java 8
- Karma, Protractor
- JavaScript 6
- Test Driven Development
- Angular 2
- Node.JS
- SQL
- C#/.NET
- MEAN Stack
- HTML5/ CSS3
- Windows Server
- JUnit

WORK EXPERIENCE

Instructional Assistant (University of Houston - CASA)

Aug 2016 - Present

- Migration of a legacy web application to a modern Framework based on AngularJS, KendoUI toolkit, C#.

Skills Learned: Angular 2, GIT, C#, Javascript - ES6, HTML 5, CSS3, Typescript

Research Assistant (University of Houston - MEC)

Nov 2015 - Aug 2016

- Developed Fine Grained Access Control in reports using Active Directory Groups.

Skills Learned: C#, .NET, Javascript, HTML

Software Developer (Zoho Corporation - ADManager Plus)

Jun 2013 - Aug 2015

- 2+ years experience in developing Web & Mobile Applications, deploying Apache Web Server and configuring Servlet Engines
- Actively involved in the design and development of Popup Framework using Singleton, Builder Design Patterns and Java Reflections
- Complete Ownership in development of a Reporting framework using Concurrency, Adapter and Observer Design Patterns, that fetches the Photos and Bitlocker Authentication information from Active Directory.

Skills Learned: Java, JSP, Apache Struts, Design Patterns(Singleton, Builder, Abstract Factory), C Native Code, Windows Server API's, Concurrency.

PROJECT EXPERIENCE

Object Re Identification in Wide Area Surveillance

- Developed a framework for Object Re-Identification among multiple Camera Feeds using Cloud Platform.
- Responsible for Video Capture and Google Drive upload module, Updating playback data in Google Cloud SQL, A Buffered Playback module for seamless view of multiple video feed's simultaneously.

Skills Learned: C++, Java, OpenCV, Google API, Angular 2, HTML5, Javascript, Google Cloud Platform

Collaborative Task Management System Using MEAN Stack (<https://github.com/Magizhchi/Angular2-TasksApp>)

- Developed a MEAN stack implementation of a Tasks Manager for small teams.
- Entire Project was coded using Test Driven Development with a 100% Code Coverage.

Skills Learned: MongoDB, Express, Angular 2, Node.JS, Karma, Protractor, HTML 5, CSS3, Jade

Functional Programming in Java 8 (<https://github.com/Magizhchi/Lets-Go-Functional-Java>)

- Self Motivated Project to explore and teach the Functional Programming powers of Java 8 like Java Streams, Filters, Map, Reduce, Collectors, StreamOf and various other features introduced with Java 8.

Skills Learned: Java 8 - Streams, Collectors, Mapreduce, Lambda Programming, Method Reference

Available to work from December 2016