

Srikanth Kannan

hanusri.kannan@gmail.com | 502.319.2197

EDUCATION

UNIV. OF TEXAS AT DALLAS

MS IN COMPUTER SCIENCE

Expected May 2017 | Dallas, TX

Cum. GPA: 3.8 / 4.0

MADRAS INSTITUTE OF TECH.

BE IN ELECTRONICS AND

INSTRUMENTATION

May 2006 | Chennai, India

Cum. GPA: 8.0 / 10.0

COURSEWORK

GRADUATE

- Distributed Systems
- Multi-Core Programming
- Implementation of Advanced Data structures and Algorithms
- Design and Analysis of Algorithms
- Natural Language Processing
- Artificial Intelligence
- Web Programming Languages
- Database Design

SKILLS

PROGRAMMING

Over 10,000 lines:

C# • ASP.NET • WCF

Over 5000 lines:

SQL in SQL Server • Javascript • jQuery

Core Java • PHP

Familiar:

ASP.NET MVC • Rails • Boot Strap

Python • Node.js • AngularJS • HTML

CSS

TOOLS

Team Foundation Server • ANTS
memory profiler • SQL memory profiler
Satori Address Validation

DESIGN PATTERNS

Strategy Pattern • Adapter Pattern

LINKS

LinkedIn:// [hanusri](#)

Github:// [hanusri](#)

Twitter:// [@hanusrikannan](#)

Portfolio:// [hanusri.com](#)

EXPERIENCE

SAGITEC SOLUTIONS LLC | SENIOR SOFTWARE ENGINEER

Nov 2011 – Aug 2015 | Frankfort, KY

- Designed retirement system web application in C# 4.0, ASP.NET and WCF
- Automated the build and deployment of web application in IIS using TFS
- Developed Audit Log feature using MSMQ in C#
- Implemented multi-threaded module to process large text file in C#
- Integrated Satori address validation software using WCF

SAGITEC SOLUTIONS | SOFTWARE ENGINEER

Nov 2009 - Jul 2011 | Chennai, India

- Developed web application in ASP.NET 3.5 and SQL Server 2008
- Created WCF service, serving both internal and external web application
- Implemented a tool to generate .xls file using dotnet Reflection and Attributes
- Actively involved with the team in performance tuning of web application

GLOBAL SCHOLAR | SOFTWARE ENGINEER

Sep 2008 – Nov 2009 | Chennai, India

- Coded ASP.NET web application based on given design in C# 3.5, SQL Server 2005, WCF and jQuery

PROJECTS

IMPLEMENTATION OF BIG INTEGERS LIBRARY

Jan 2016 | UTD, Dallas

Developed a Big Integer library in java that implements arithmetic operations like addition, multiplication, division, power, factorial, square root with large numbers, of arbitrary size, which handles for any base.

MULTI-DIMENSIONAL SEARCH

Mar 2016 | UTD, Dallas

Designed and prototyped product search engine based on product attributes in java. Similar to indexing in database, the functionality is implemented by creating a new set of references to the objects for each search field, and organize them to implement search operations on that field in the most efficient way.

DISTRIBUTED MUTUAL EXCLUSION PROTOCOL

Jul 2016 | UTD, Dallas

Completed a project which compares the performances of Lamport's distributed mutual exclusion protocol and Roucairol-Carvalho's distributed mutual exclusion protocol with respect to Message Complexity, Response Time and System Throughput. Implementation is in java using TCP socket programming.

CHANDY LAMPORT SNAPSHOT PROTOCOL

Jul 2016 | UTD, Dallas

Designed and implemented Chandy Lamport Protocol to collect global state of the application running on distributed system of n machines. Implementation is done in java, using socket programming running in multiple threads.

ONLINE TECH STORE

Apr 2016 | UTD, Dallas

Designed and developed online gadget store in PHP, jQuery, AJAX, Javascript, MySQL, Boot Strap and CSS.