

# Srinivasan Ragothaman

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## EDUCATION

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- **Srimad Andavan Arts and Science College** Trichy, TN  
*Master of Computer Application; 78.6%* *Jun. 2003 – Apr. 2006*
- **Nehru Memorial College** Trichy, TN  
*Bachelor of Computer Science; 71.8%* *Jun. 2000 – Apr. 2003*

## PROGRAMMING SKILLS

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- **Languages:** Java, Kotlin, Python, JavaScript, Go, SQL
- **Technologies:** Spring Projects, ReactJS, NodeJS, Docker, K8s, Arduino
- **Skills Upgrade:** Micro (Profile / Front-Ends / Services), Big-Data, IOT, ML, RPi

## EXPERIENCE

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- **Oracle** Bangalore, IN  
*Principal Consultant* *July 2012 - Present*
  - **Global Messaging / Integration Hub - SSgA:** The Global Messaging / Integration Hub is a central system to integrate with different vendors of SSgA with the newly acquired CRD system. My role as a Senior Developer and Architect to create the platforms as part of Rainer Program. Platforms Created : GMH-File-Transfer and GMH-Data-Api. Also, proposed new solution for replacing the legacy internal DAO Code generation tool to an open-source alternative.
  - **UPS - SSgA:** User Provisioning System (UPS) is intended to reduce the amount of time needed to provision a user for the use of SSgA Systems. My role as a team lead and coordinating with Client.
  - **Risk Case Management - CITI:** NICE Actimize provides a Risk Case Management Tool which allows and enables the banks to identify and investigate on fraud activities of the customers. My Role as team lead and co-ordinate with onsite team member to provide technical solution to the business.
  - **TPS2 - CITI:** Treasury Product Systems (TPS2) is a deal booking system for structured products, derivative and other financial products. My Role as a developer to design Adobe Flex screens and integrate with Java Service layers for Trade Ideas across products.
- **Capgemini** Chennai, TN  
*Consultant* *Mar 2008 - Jun 2012*
  - **DQAT - CITI:** DQAT is EPE and PSE investigation and Product performance tool. This is a migration of existing "Integrated Data Analytic Tool" from Excel Macro to Flex and Java. My Role as a developer to design Adobe Flex screens and integrate with Java Service layers.
  - **Omega - Lindorff Norway:** Omega is a migration of existing Credit Service System from Fortran to Java. My Role as a developer to design JSF pages and integrate with Java Service layers, creating batch jobs using Spring-Batch for transform-transfer data from different format.
- **Efunds International Corporation** Chennai, IN  
*Contractor* *June 2007 - Feb 2008*
  - **SBDM / BIS:** SBDM is the Small Business Data Mart / Business Inquiry Service is a web-based application that allows users to inquire account closures for specific period, list of financial institutions that have inquired on a specific business. My Role as a developer to design JSF pages and integrate with Java Service layers.
- **Shriram Chits Systems** Chennai, IN  
*Developer / Team Lead* *Apr 2006 - May 2007*
  - **OMEGA:** Omega is the on-going project in Shriram Chits TamilNadu (P) Ltd., It's the web-application developed by IRIS Softek and later the responsibility is given to me. This application was created using Struts 1.2 for the Shriram Chits Transactions throughout Chennai city ONLINE.. My Role as a developer and lead to reduce the server down-time and to take-care of forming a new team for further enhancements.

## AWARDS & PARTICIPATION

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- **Freshers Mentor:** Involved in mentoring freshers as part of Freshers training & project evaluation program.
- **Learning Panther:** Part of "Learning Panther" team to bring new ideas by using latest tech stack by showing demos and presentations to NA region.
- **Awards:** Received 3 times project related top performer award and recognition for bringing the innovative ideas for internal competitions.
- **Other opportunities:** Worked as a programmer at 'Shalom Info-tech' during MCA studies and got stipend for my work.
- **Demo / Presentation:** IOT presentation given at Brigade Apartments and conducted Arduino Workshop for grade 6,7 students. AI presentation and demo given at 'The HDFC School' as CBSE introduced AI curriculum for grade 8,9. Showed few demos using Tensorflow with pre-trained models, realtime model creation for HDFC School Chat-Bot and few more. This is to highlight how important this latest tech revolution for next generation Kids career. API-fication presentation and demo given at OFSS internal NA region.

## OPEN SOURCE PROJECTS

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- **Screenly-OSE:** Python based Digital Signage using Raspberry PI. Customized with user/ admin screens and added file types ppt, pdf and odt. This project was demonstrated as part of internal competition and also inspiring team on how to involve in open-source projects. Created 3 Dockerfiles for development in micro-services way.
- **godiff:** Golang based utility to compare files / directories with output in html, csv. Customized to support csv files with primary / combination keys to sort and extract diff data as another csv file. This tool was customized to help our SSgA testers team to extract differences between huge files in a fraction of seconds. Contributed to go-csv to externalize the delimiter as parameter.
- **Dashboard:** React (React-Admin) based dashboard for monitoring the real time file transfer 'POC'. This project later integrated and enhanced with SSgA File Transfer Platform.
- **Multi-API-Proxy:** Created a central api using JSON-API, GraphQL spec with multiple third party systems and expose as common API to end-user using Spring-Boot and Yahoo Elide. Started as a POC and later integrated and enhanced with SSgA GMH-data-api Platform.
- **StickyCache:** This project created as POC to show-case the capability of EhCache with commercial support features like off-heap storage by Terecotta BigMemory Go/Max.
- **Home Automation-Simulation (IOT):** This concept was created as part of innovative ideas from different domain for Oracle's internal competition. Created Home-Automation simulation using Arduino and customized Node-Red with Johnny-Five blocks to support DC motors. (<https://bit.do/home-automation-simulation>). This video also published in JAPAC region and got very good feedback in OTUBE (Oracle Tube) Platform. Conducted awareness session with my students and they got inspiration in the field of IOT.

## INTERESTS

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- **Core Strength:** My primary strength is team collaboration and bringing new ideas for the given problem. I am good in customizing open-source software which involved multiple technologies / languages / frameworks. Migrating legacy application with latest tech stack. POC enthusiastic by compare & implement using the open-source software. Extensive CLI / Tooling user.
- **Passionate Learner:** I am a happy learner who likes to learn new things. Focusing on implementing the concepts which i am crazy about it.
- **Teaching Kids:** My next passion is to teach kids in a practical way and encouraging them to explore by 'Learning by Doing' (STEAM education methodology). Conducted Robotics workshops for school students during my long vacation / holidays. Inspiring them with my ideas and also getting inspired by their Questions and Answers :)
- **Meetups:** Participating in various meetups to create an social impact using latest technologies. Networking with people who is keep updated with latest technologies and interested in solving real-world problems.