**V. Vallieswaran**

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**Objective**:

* To be part of a company, with responsibilities for designing and developing software solutions in accordance with the highest quality standards.
* Interested to work in challenging Core Development – oriented projects with good professional growth.

**Total Experience**:

* **8 Year** of experience Research, software design & development **with 2 patents filed.**
* Excellent organisational hiring and team building ability.
* Building New products in internet and Enterprise technology
* Built highly scalable system in real time systems like session management service for 60 Million active sessions
* Built large scale data analytics systems using hadoop, Hbase and couch DB etc..
* Built new Automation modules for ERP for agri manufacturing, custom clothing

**Professional Experience**

**Organization:** Arvind Internet Limited, Bangalore. Online Tech Arm of the Arvind Limited.

**Tenure :** July 2103 – December 2014

**Position :** Head of Engineering & Technology (creyate.com)

**Organization:** Flipkart, Bangalore. This company is a E commerce company.

**Tenure :** December 2009 – June 2103

**Position :** Tech Lead – Website Architecture

**Organization:** Sync Technologies, Bangalore . This company provides Software migration, design Analyzing and business process extraction with it Intellectual properties and Software tools.

**Tenure :** December 2007 – November 2009

**Position :** Founder and Research and Development Engineer in Reverse engineering Tools.

**Achievements:** Filed 2 –U.S patents and 2 Indian Patents.

**Organization:** Trilogy, Bangalore. This company provides business solutions to clients with it Intellectual properties and Software products.

**Tenure :** June 2007 – November 2007

**Position :** Software Developer in Business Rules Management System.

**Organization:** Webaroo Technologies, Mumbai. It provides technology that helps you to

Search and Browse web Pages on the go on laptops, mobile phones, PDAs, U3 devices.

**Tenure :** October 2006 –May 2007

**Position :** Software Developer in Server engineering team.

**Education:**

1. **M.Tech** in Information Technology.

IIT Bombay, Mumbai, June 2006.

CPI - 9.1/10.

1. **BE** in Information Technology,

Priyar University, Salem, May 2004.

Grade/Score: First Class with Distinction 76.5%.

1. **XII class**

Vijaya vidhyala matriculation School, Dharmapuri, May 2000.

Grade/Score: First Class with Distinction with 81.4%.

1. **X class**

K. H. S School, Thanjavur, May 1998.

Grade/Score: First Class with Distinction with 91%.

**Patents Filed:**

* **Method for ensuring consistency during software development.**
  + Indian Patent filing no.2990/CHE/2008.
  + US Patent filing no.12324956.
* **Method and system for versioning a software system**.
  + Indian Patent filing no.2822/CHE/2008.
  + US Patent filing no.12324950.

**Paper Published:**

1. Presented paper titled “ArchKriti - A SoftwareArchitecture Based Design and Evaluation Tool Suite ” in fourth **International Conference on Information Technology 2007**, Las Vegas, Nevada, USA.
2. Presented paper titled “Determining Software Development Strategy” in The Third **Malaysian Software Engineering Conference (MySEC'07)**, Serdang Selangor, Malaysia.
3. Presented paper titled “On Design Consistency and Traceability for Iterative Development” in third **International Conference on Information Technology 2006**, Las Vegas, Nevada, USA.
4. Presented paper titled “A Versioning Scheme for Consistent Evolution of OO Applications” is selected in The 13th **Asia Pacific Software Engineering Conference (APSEC06),** Bangalore, India.
5. Presented paper titled “Improving Reliability in Wireless Sensor Networks” in **Third International Conference on Reliability, Safety and Hazard – 2005.** Published in page 102-108 of Reliability, safety and Hazard Advances in Risk-Informed Technology, Narosa publication, ISBN 81-7319-729-6.
6. Presented paper titled "Maximising Life-Time of Wireless Sensor Networks" in **Asian Applied Computing Conference 2005**.
7. Presented paper titled “Integrated Agricultural Management System using Optimal Computing” in Managing Information for Rural Development discipline in conference **CARDS-2003** conducted by CSI Lucknow.

**Awards and Honours:**

* Best Interview Award in Flipkart.
* Bar Raiser Award in Flipkart.
* Secured **99.91 percentile** with **All India rank 9th** in GATE 2004**.**
* **Won 11 prices** in various competitions like Paper presentation, Technical Quiz and debugging contest during 2000-2004.

**Details of Projects Executed:**

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| Creyate.com | Arvind Internet Limited  General Description: Arvind Internet Limited (AIL) is the online arm of the Arvind Limited. This is set to be a leading consumer lifestyle player in the digital space by engaging in several business models that can scale globally.  Creyate.com Creyate is our first offering. A custom clothing website, Creyate aims to provide an unprecedented experience with the help of an intuitive user-interface where customers can personalize almost everything about their garment-fabrics, styles, components, accents, monograms, and so much more. It is the ultimate confluence of fashion, technology, manufacturing and Customer Needs  Duration : 1 years 4 months Team size : 40  Role: Head of technology, (responsible for Team hiring, setting Up tech platform for Business, Architecture of backend systems and website, Factory Automation implementation, garment Design studio on web, Tablet first development, CI implementation , Appraisals, Campus hiring , Data center Architecture., ERP integration )  Key Problems solved :   * Built a super smart tech team from scratch with budget constraints * Hybrid cluster with AWS And local Machine for Maya 3D rendering farm * AWS CI implementation * Setting up automation team and test coverage for CI * Stetting up UI team and developed Tablet first UI with HTML5, Bootstrap, backbone and knockout * Integrated factory Manufacturing customs garments automation in Bill of materials, material relationships, measurement integrations CAD CAM machines. * Built a backend system with rules which can create 65 million unique clothing in various category and make them available in web for users to design Using CDN * Built Active-Active data center servers setup to make every store function fastest and independent when connectivity breaks. * Automated measurements adjustment engine to get garment measurements . |
| Flipkart.com | Flipkart  General Description: A scalable website with 30 million pages served from a catalog of 15 million products, through PHP Modules implementing MVC for rendering different pages,Integrating the Java based ERP and catalog management system with Thrift in SOA.  worked in website's various projects taking care of website core architecture, website performance and website integration with various systems .   * Affiliates system for affiliate marketing and conversion tracking * email campaign system * MVC migration of website * Click stream tracking system * Web site catalog management system Integration via Thrift frame work * Website Cache Layer seemly integrating multiple instances of Memcache, redis, couchbase. * W3-agent (Java Agent used for Config management and Cache Connection Pooling to scale php) * website analytics frame work based on hive and hbase * Realtime metrics aggregation & alerting frame work using statsd, open TSDB graphite. * W3 Data-layer with RDMS or Hadoop backend, fronted with write trouch key value store and elastic search for entity search support. * Session store to store 600 million sessions * Contentious deployment with Ringed deployment Architecure of new code measure metrics. * User Analytics System miming website logs of 500GB per day using Hadoop to provide insights on user interest and targeting, and also a dynamic querying layer overt it for querying on product category and time.   Duration : 3 years 6 months Team size : 6  Role : SSE and moved to Tech Lead  Tools and Programming Languages Used : Eclipse,PHP ,Java, Thrift API, socket Programming, AJAX YUI, CSS, JS, Mem-cache, Mem-cache-DB and Mysql. |
| Agri manufacturing Module for Microsoft Dynamics satck | Sync Technology  General Description:  Duration : 1 years Team size : 5  Role : Software Architect and project manager.  Client : Affordable Business Solutions, Bangalore.  Tools and Programming Languages Used : Eclipse, C++, C, Java, Struts 2.0, Tomcat 6.0, RMI and socket Programming, AJAX YUI, PHP, Open Layer MAP API, Grass and QGIS. |
| Fleet Check System | Sync Technologies  General Description: the studio has reverse engineering tools that will allow users to reverse engineer source of various languages like java, C, C++, COBOL, Java, PHP, Python, VB, VC and Java Script. This is product line and technology platform developed for the following products  AgileDoc is a documentation product, which allows you create documentations of source code in various level from high level Design to detailed design, design patterns and code level understanding of algorithms.  Design Consistency checker checks consistency across different modules of code written in set of languages EJB and JS. Our impact analyzer helps user to analyses impact of a change in code. also checks consistency of aspect oriented design represented in UML format.  Business process extractor takes your application source code and configuration files extracts business process to BPMN diagrams.  Duration : 2 years  Team size : 5  Role : Research and Development Engineer ( filed 4patents for the technology developed ) Tools and Programming Languages Used : Eclipse, Java, Javacc, Aspectj, JPlot, GNUplot, XSLT& XML |
| Reverse Engineering Studio | Sync Technologies  General Description: the studio has reverse engineering tools that will allow users to reverse engineer source of various languages like java, C, C++, COBOL, Java, PHP, Python, VB, VC and Java Script. This is product line and technology platform developed for the following products  AgileDoc is a documentation product, which allows you create documentations of source code in various level from high level Design to detailed design, design patterns and code level understanding of algorithms.  Design Consistency checker checks consistency across different modules of code written in set of languages EJB and JS. Our impact analyzer helps user to analyses impact of a change in code. also checks consistency of aspect oriented design represented in UML format.  Business process extractor takes your application source code and configuration files extracts business process to BPMN diagrams.  Duration : 2 years  Team size : 5  Role : Research and Development Engineer ( filed 4patents for the technology developed ) Tools and Programming Languages Used : Eclipse, Java, Javacc, Aspectj, JPlot, GNUplot, XSLT& XML |

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| Business Rules Management System | Trilogy  General Description: BRMS is a comprehensive business rules platform used to develop and continually manage data-intensive applications and components quickly and reliably. BRMS is one of the first Business Rules Management Systems to provide for the implementation of a full spectrum of rules.  Duration : 6 months  Team size : 5  Role : team member ( in migration of BRMS rule editor to Eclipse IDE)  Tools and Programming Languages Used : Eclipse , Java, studs, JS, Tomcat, shell scripts |

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| Web Crawler & packaging system Dashboard | Webaroo Technologies  General Description: The web crawler, indexer and packaging systems are developed as distributed applications. Dashboard is the application which allows deploying and monitoring of the crawler indexer, summarizer and packager in the Linux cluster of 40 machines.  Duration : 6 Months  Team size : 5  Role : team member ( done new feature to the system for last 8 months)  Tools and Programming Languages Used : Eclipse , Java, studs, JS, Tomcat, shell scripts . |
| SMS Gupshup | Webaroo Technologies  General Description: This is SMS based social networking Service along with web interface connectivity via messengers along with advertising platform and information mining targeted advertisement on specialized category of people in the social Networking , Current has 26 million users in India  Duration : 3 Months  Team size : 3  Role : team member  Tools and Programming Languages Used : Eclipse , Java, PHP, SMS API, MYSQL. |
| On Supporting Design Evolution and Traceability | M.Tech Project executed in IIT Bombay  General Description:  Iterations of software development need to evolve the existing system in a manner consistent with its design rationale. Evolution often begins with design representation because it provides a high level view of the system that is easy to understand. The impact of a design change however is poorly understood as is the consistency between different representations of design. Design evolution presents three important issues: consistency amongst design representations, traceability of a design change in code and versioning ties between the code and design repositories in order to maintain consistency. In this effort, we implemented a solution to these issues using a relational meta-model and a layered version model of SCM.  **Design and Development of Eclipse PlugIns:**  The relational Meta model is represented in XMI representation confirms to UML with four different views for requirements, development, source and deployment of a software system.  The layered versioning model of SCM is implemented as PlugIns to eclipse. The layered model SCM consist four layers such as application, model , link and repository. Application layer is implemented as GEF plug in, model layer is implemented as EMF plug in, link layer is implemented as data formating plug in and repository as team sharing plug ins.  Duration : 1 year 6 Months  Team size : 1  Role : R & D  Tools and Programming Languages Used : Eclipse Plug in Development Entertainment, Eclipse Graphical Editing Framework, Eclipse Modeling Framework, CVS, Java, JavaCC, Aspect J and Lex Yacc Grammars. |