

**PROFESSIONAL EXPERIENCE**

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**Senior Software Developer**                      **Moving Picture Company, Bangalore**                      **April 2021 – Present**

Responsible to architect and develop solutions, improvise existing methodologies to serve the demands of the Visual effects work-flow.

- Architect and develop Infrastructure platform to share Kubernetes/micro-services components among multiple network isolated business units.
- Architect and develop and maintain Kubernetes multi-cluster environment.
- Develop and manage micro-services to automate the work-flow.
- Architect and develop CI/CD pipeline to automate build/deployment of the projects.
- **Technologies used:** Python, MySQL, RabbitMQ, Salt, Ansible, Docker, Kubernetes, Helm, Elasticsearch, Prometheus, Grafana, Jaeger, Terraform, KIND

**Software Developer**                      **Moving Picture Company, Bangalore**                      **December 2016 – March 2021**

Responsible for developing software to automate Visual effects pipeline and to manage the storage and flow of data throughout the workflow life cycle.

- Development of cluster infrastructure integrated with the CI/CD pipeline which allows easy deployments and scaling of services.
- Development and management of syncing system to allow efficient transfer of assets between different global locations without breaking the workflow and providing APIs(micro-services) , tools to interact with the same.
- Involved in development of dynamic rendering in Azure.
- Development of software and services to integrate with the asset management system and their storage.
- Working closely with pipeline developers and artists to understand the requirements and provide software and infrastructure solutions to meet them.
- **Technologies used:** Python, MySQL, RabbitMQ, Salt, Ansible, Docker, Kubernetes, Helm, Azure basics, Terraform, Minikube, KIND

**Sr. Web Data Programmer**                      **Ugam Solutions, Mumbai**                      **April 2016 – November 2016**

Responsible for handling project requirements and develop scripts to scrape data from retail websites for data analytics.

- Introduced methodologies and best practices that standardized the script development process and hence enhancing the speed of scraping and customization of scripts to user needs.
- Managed projects and lead a team to scrape 100 million data across multiple retailers.
- Provide technical training and assistance to developers.
- **Technologies used:** Python, Php, MySQL. Kafka.

**Web Data Programmer**                      **Ugam Solutions, Mumbai**                      **October 2014 – March 2016**

Develop scripts in Python powered by Hadoop environment in order to scrape data from retail websites for data analytics.

- Provided user requirement analysis, design and support for enhancing the scrape of millions of data.
- Implemented logic and algorithms for capturing data from complex websites.
- **Technologies used:** Python, Php, MySQL.

**Software Engineer**                      **Placelyrics (not registered)**                      **December 2013 – September 2014**

Worked as a Software Developer on a self-initiated project web-application (place based social networking) with three people team as a start-up.

- Developed a web application to share information among people based on geographical location.
- Implemented complex algorithms to show feeds of respective user interests using graph database Neo4j.
- Designed dynamic user interface, comfortable enough for the user to view information.
- Enhanced the dynamicity of information sharing by enabling push based message notification using Node.js
- Fueled the information availability throughout the user space by implementing horizontal and hierarchical architecture of spreading information involving geographical locations.
- **Technologies used :** Php, MySQL, JavaScript, jQuery, Neo4j, Node.js, Cypher

**Project Student****C-DAC, Thiruvananthapuram****December 2012 – May 2013**

- Successfully completed final year academic project “English to Malayalam translation of web pages using Angla Bharati MT System” in real time.
- Implemented algorithms for proper rendering of translated content with its corresponding html entities.
- Developed a google chrome browser plugin to translate selected English text to Malayalam using Paribhashika MT System.
- **Technologies used** : Php, Jsp, JavaScript, jQuery, java

**EDUCATION**

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**Coimbatore, Tamil Nadu****CMS College of Science and Commerce****June 2008 – May 2013**

- MSc. in Software Systems, GPA: 8.0
- It's a five year integrated course.
- Coursework: Databases; Digital Computing; Data Structures, Programming Languages; Comp. Architecture; Compiler Design; Neural Networks; Software Engineering; Computer Graphics; Cloud Computing; Distributed Computing; Operation Research; Discrete Structures.

**Palakkad, Kerala****S.t Dominic's Convent English Medium School  
(Central Board of Secondary Education)****June 2008 – May 2013**

- **12<sup>th</sup> Std**, March 2008
  - Subject's: English, Mathematics, Computer Science, Physics, Chemistry, Hindi.
- **10<sup>th</sup> Std**, March 2006

**ADDITIONAL EXPERIENCE**

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**Projects**

- **Project Management System** (July 2013). A windows application on Project Management System for CII (Confederation of Indian Industries) using VB.NET.
- **Chitchat** (2012 – 2013). A chat application implemented within the college campus LAN network for students to communicate and share files with each other using VB 6.0, Oracle 8g.

**Courses**

- **Big Data and Hadoop** (July 2015- August 2015) attended at Edupristine, Mumbai. Coursework contains Basic Hadoop, Hive, Pig, Mapreduce, Yarn, Sqoop, Flume.
- **Developing Web Applications using ASP.NET** (November 2011) attended at NIIT, Thiruvananthapuram. Course work contains ASP.NET, C#.NET

**ACTIVITIES AND AWARDS**

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- **Contributor, Volunteer Activity** (July 2005) : Contributor, Volunteer Activity (July 2011): Contributed towards Web development project in Joomla at RASTA an NGO, with international Students
- **Second Prize, Marketing** (March 2011): Second Prize for Marketing in National level symposium " Valorize " organized by Sri Venkateswara College of Computer application and Management held on 4th March 2011
- **Second Prize, Web Designing** (March 2011): Second Prize for AdZap(web designing) in " Presion " a technical event held on 24th February 2011 at G.R Damodaran College of Science and Commerce

**ADDITIONAL INFORMATION**

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- **Stackoverflow** : <http://stackoverflow.com/users/2472111/sarathsprakash>
- **Linked In** : <https://www.linkedin.com/in/sarathsprakash>
- **Youth4work** : <http://www.youth4work.com/y/sarathsprakash>
- **GitHub** : <https://github.com/sarathsprakash>