ARPIT KULSHRESTHA
Technology Architect

EDUCATION

- Bachelor of Technology from SRM University, Chennai, Tamil Nadu, India, 2011 (CGPA: 7.67)

EXPERIENCE SUMMARY

- +9 years of experience in Java, Javascript, Ruby, Golang, Python, NodeJs.
- Extensively worked on frameworks like Springs, Hibernate, RubyOnRails, AngularJs, ReactJs, ExpressJs, NextJs.
- Proficient in search engine configurations, worked on Solr, Elastic search, IBM Vivisimo, semantic search.
- Experience in developing native mobile apps in iOS platform using swift and Android Application using Java.
- Experience in enterprise application life cycle design, development and deployment.
- Experience in working on Redis, Cassandra, SolrJ, Apache Jena, Apache Tika, Semantic web, Ontologies, Data Mining, Text Analysis and Extraction.
- Experience in Agile Methodology from Sprint planning, Poker Planning, Story estimation Techniques to Burn down/up charts.
- Won 750$ in a hackathon organized by DevPost in India for an AI Bot using Facebook APIs.
- Created an AI bot using Python and Flask which provides the Indian Railway Information for current status of the running trains and PNR enquiries.
- Experience in configuring LDAP and SSO using Kerberos in Springs.
- Please refer my github account for more details on the projects http://github.com/Arpit1989
- Over 10K download of the libraries I have published in ruby gems.
- Co-authoring a paper with Michigan University Professor on use of machine learning in multi label image classification for parks, tourism and recreation.
- RubyConf India Goa 2014 - lightening talk on linked data with ruby.

Programming Experience

OPERATING SYSTEM	PROGRAMMING LANGUAGES	FRAMEWORKS & LIBRARIES
UNIX based, Windows, Android, iOS.	Java, Ruby, Python, Javascript, Swift,Applescript, Golang, Scala, SQL, SPARQL.	ReactJS, NextJs, NodeJs, AngularJs, TensorFlow, GoogleAutoML, Apache Tika, Apache Jena, Tomcat, RubyOnRails, Springs, Hibernate, WebSockets.io, Solr, Elastic Search, IBM vivisimo , Facebook APIs, Soundcloud APIs, Triple Stores, Docker, Jenkins, Rspec, Cucumber and many more

INFOSYS 2019-2020

Project Title	Patient Care Central
Period	Apr 2020 to Present
Position	Technology Architect
Responsibilities	Design, architect, plan, review microservices. build, lead, review and design microservice which includes patient profile, store services, prescription services, orchestration service, user interface and work closely with the senior project architects on designing of solutions. requirement gathering and analysis, estimation of the software development effort, design and development of the application, unit testing and defect verification, application deployment.
Project	Patient Care Central is an application built to extract features out of a legacy product used by the store physician at CVS. In its phase 1, Aim is to extract opportunities and patient reach. The project is implemented using Pivotal Cloud Foundry for hosting of the micro services, Jenkins as CI CD.
Hardware	Pivotal Cloud Foundry
Languages	Java, Angular 7
Database	Oracle
Tools & libraries	Spring Boot, Spring, JPA, Hibernate, Hysterix, Informatica.

INFOSYS 2019-2020

Project Title	Warehouse management System at Macy's
Period	March 2019 to Apr 2020
Position	Tech Lead/Team Lead/Full Stack Developer

Responsibilities	Design, architect, plan, review WMS microservices specifically planning space. build, lead, review and design microservice which includes wave, distribution engine, order fulfillment services, handheld service, supply chain UI, handheld UI and work closely with the project architects on designing of solutions. requirement gathering and analysis, estimation of the software development effort, design and development of the application, unit testing and defect verification, application deployment.
Project	Backstage WMS consists of microservices like – Inventory, Work State Management, Order Management, Waving, Distribution Engine, Handheld all of these services were used to run the warehouse which was using Pyramid as WCS (Warehouse Control System) and WES (Warehouse Execution System). The project was implemented using Google Cloud for hosting of the micro services, Google Pub Sub as messaging service, Google Data flow jobs for auditing using BQ, Jenkins as CI CD, Kubernates for Automated deployment, scaling.
Hardware	Google Cloud Platform
Languages	Java, React
Database	BigQuery, MySql,Redis
Tools & libraries	Spring Boot, Spring, JPA, Hibernate, Sleuth, Prometheus, Spring Contracts, Redission, Liquibase, Gurobi Engine, Manhatten WMS.

FREELANCE DEVELOPER 2018-2019

Project Title	3xFive, TrueMedicare, Clemson University
Period	Oct 2018 to Present
Position	Full Stack Developer and Architect
Responsibilities	3xFive - Design & Architect the Funnel Management Platform for InquireMedia.com & a separate funnel management platform. TrueMedicare - Insurance Company portfolio and its funnel. Clemson University - Helping out on a project on image classification using AutoML, YOLO.

Project	3xfive is platform for publisher and advertiser to create web funnels on the fly using a custom web Editor. These funnels are used of leads Acquisition. Clemson University project - Classification of images collected by parks, recreation and torsion department using Machine learning via AutoML and YOLO.
Hardware	AWS
Languages	Javascript, Ruby.
Database	POSTGRES, ElasticSearch
Tools & libraries	ReactJs, NextJs, NodeJs, RubyOnRails, Bootstrap4, Bandwidth, Docker,

MAROPOST 2017-2018

Project Title	Maropost Marketing Cloud
Period	Oct 2017 to Aug2018
Position	Technical Project Manager
Responsibilities	Review, manage, gather requirement for the Maropost Marketing Cloud Development,
	Worked on POCs to improve the Maropost Marketing Cloud while also handling the review, architecture of the new features and its impact on the marketing cloud.
	Responsible to keep the VicePresident and the Board Members up to date on the development of features of Maropost Marketing Cloud.
	As part of the POC's we introduced GrapeJs into marketing Cloud, ElasticSearch to improve data discoverability.
	As a team we architected the Social Media Marketing Cloud.
	MMC integration with Zapier,
	Created a Magento Plugin for real time syncing of orders
	Improved the user tracking script to work on all modern day web platforms.
	Helped team to create and build Acquisition platform for marketers to acquire new leads for clients.
Project	Maropost Marketing Cloud - It was a platform built for Marketers to help them send campaigns to their customers through different channels such as Email, SMS, Push messaging.
Hardware	Google Cloud Platform and Rackspace Unix Machine.
Languages	Ruby, Go, Scala.
Database	MySQL, CASSANDRA,POSTGRES,
Tools & libraries	RubyOnRails, Apache Spark, Apache Kafka, ReactJs, VueJs, WebCrawler, UserTracking through In-house Tool,ElasticSearch, Kibana, FreshDesk,ATOM, Pivotal Tracker.

Project Title	Maropost Marketing Cloud and Sales Cloud
Period	Aug 2017 to Oct 2017
Position	Senior Developer
Responsibilities	Introduced Elastic Search, Kibana for reporting and querying, evaluated features of Salesforce and built similar for Maropost SalesCloud. Worked with the CTO in designing the Salescloud. Responsible for handling and architecting the solutions for Maropost Marketing cloud and its features. My Role started from developing some of the features to then guiding the team of over 40 developers to deliver solution. Worked with the Vice President of Maropost to help them deliver quality features such as Social Media Marketing Platform for Facebook, LinkedIn, Twitter.
Project	Maropost Marketing Cloud - It was a platform built for Marketers to help them send campaigns to their customers through different channels such as Email, SMS, Push messaging, Social Media Marketing. It integrates well with several tools like salesforce, zapier, Magento, Shopify and many others. Maropost SalesCloud - A platform which we were building offered CRM, e-Commerce, Customer Support Ticketing, Referral Management. Vision was to create an ecosystem of these multiple application which can share data among them.
Hardware	Google Cloud Platform and Rackspace Unix Machine.
Languages	Ruby, Golang, Scala.
Database	MySQL, CASSANDRA, POSTGRES,
Tools & libraries	RubyOnRails, Apache Spark, Apache Kafka, ReactJs, VueJs, WebCrawler, UserTracking through In-house Tool,ElasticSearch, Kibana, FreshDesk,ATOM, Pivotal Tracker.

TATA CONSULTANCY SERVICES: 2011-2017

Project Title	Classification Tool
Period	June 2015 to July 2017
Position	Lead Developer & Ontology Expert for Mckinsey & Company.
Responsibilities	Evaluation of Open Source tools for ontology management, requirement gathering and analysis, Estimation of the software development effort, Design and Development of the application, Unit Testing and Defect Verification, Application Deployment.

Project	Ontology Management platform which allows users to suggest, add, remove ontologies within the organization. Springs Application which exposes APIs and Interact with and Angular JS Application. This Application uses NoSQL database using Apache Jena and Interacts with Oracle Database. Primary Purpose of the application is to manage the knowledge of the organization using ontology.
Hardware	Windows 12 with 8 core 2.8 GHz Intel Core i7 processor, 30 GB RAM
Languages	Java
Database	Triple Store and Oracle 12
Tools & libraries	Spring Tool Suite, Solr, PoolParty, Hibernate,Apache tika, RDFs, Linked Data, Spring security, LDAP, SSO, Junit, Mockito, IBM Lotus Notes, Swagger, SKOS.

Project Title	Know
Period	Jan 2014 to June 2015
Position	
Responsibilities	requirement gathering and analysis, estimation of the software development effort, design and development of the application, unit testing and defect verification, application deployment.
Project	To provide a search platform for searching all the internal documents using Solr. The data was imported to Solr using DIH and Incremental updates were performed using SolrJ. Java web application provided the interface to query the Solr Data for user to search. The entire Solr Cloud was configured as part of the project which involved using various filters and stemmers.
Hardware	Suse server 4GB RAM
Languages	Java
Database	Oracle
Tools & Library	Solr, SolrJ, JSP, Javascript , Jquery , Html5, Css3

Project Title	Data analysis and semantic search
Period	Dec 2012 to Jan 2014
Position	Java Developer, Linked data expert for McKinsey & Company
Responsibilities	requirement gathering and analysis, estimation of the software development effort, design and development of the application, unit testing and defect verification, application deployment.

Project	The project involved data mining the open source linked databases for improving the current taxonomy of data from industry, functions to geography. The project used geo names, Dbpedia and other open source databases to mine the relevant data. e.g. all the cities of the world with hierarchy.
Hardware	MacBook Pro with 2.6 GHz dual-core Intel Core i3 processor, 4 GB RAM
Languages	Java, XML
Database	Triple Store
Tools & libraries	Apache Jena, Solr, Dbpedia, Linked data, Apache Tika

Please refer my LinkedIn profile for more information on projects related to AngularJs, RubyOnRails, NodeJS - https://www.linkedin.com/in/speak2arpit/