

# Sarath Kumar Prabhakaran

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## PROFESSIONAL EXPERIENCE:

- Illinois Institute of Technology, Chicago, Illinois** Position: **Graduate Teaching Assistant** (Aug 2016 - May 2017)
- Taught students technologies such as **Core Java, J2EE, SOAP, REST, Tomcat, JSP, Servlets, JavaScript, AJAX, Sessions/Cookies, JDBC, RMI, Multi-threading** and **UML** for the development of enterprise web applications, graded assignments and organized projects for students. Course: Software Modeling Dev with UML, Enterprise Web Applications.
- Oracle India Private Ltd, Bangalore, India** Position: **QA Automation Intern** (Dec 2014 - Apr 2015) (Jun 2013 - Nov 2013)
- Designed, developed test plans, created and updated automation scripts using Automation tools such as **Selenium, HP-QTP, Open Script, Synergy, Oracle Application Test Suite** in **VBScript** and **Java** for Oracle Retail Products, Finding and Reporting Application Development Bugs, Automation Script Developer for the Unified Automation Program, Automation Framework developer for the Enterprise Integration Testing Team.

## EDUCATION:

- Illinois Institute of Technology, Chicago** **Master of Computer Science (Database Systems)** (GPA: 3.40/4) May 2017
- College of Engineering Guindy, Chennai** **Master of Science (Computer Science)** (GPA: 7.76/10) May 2015

## ACADEMIC PROJECTS:

- Travelers Stop - Web Application to find Destinations for Travelers developed using **Node.js, Express, MongoDB** and **RESTful Web Services**, deployed in **Heroku** and **mLab** (<https://travelmore.herokuapp.com/>).
- Designed and Developed a Food Journal Web Application with built-in Shopping list feature using **Angular 4** and **Firestore** as back-end database (<https://github.com/prabhusarath/Angular/tree/master/food-project>).
- Reminders Application with Time frame developed using **React** and **Redux** (<https://github.com/prabhusarath/ReactApps>).
- Created a Full-Stack IOT Car Tracker Web Application using **Spring MVC**, Rest API, Java Persistence API(**Hibernate**), HTML, CSS and Angular(<https://github.com/prabhusarath/Auto-Tracker/tree/module-api>).
- Developed a **Task Execution system** with **AWS (EC2, S3, SQS, Dynamo DB)** using **Java**(Multithreading), Implemented a **Benchmarking System** to compare different metrics of Amazon EC2 Instances.
- Empirical Analysis of Predictive Algorithms for **Collaborative Filtering**, constructing a **Social Network** using **Twitter Data, Community Detection** and **Link Prediction** using **Facebook 'Like' Data**, Categorizing Movie Reviews based on **Sentiment Analysis**, Content-based **Recommendation Algorithm** and Social Network Analysis on Writers famous in Twitter using Python, Pandas, Numpy and scikit-learn (<https://github.com/prabhusarath/SocialNetworkAnalysis>).
- Object oriented charting Dashboard** for data analytics and visualization for datasets modeled and designed using **UML** and Implemented using JavaScript(**ES6**), Chart.js, dataframe.js. (<https://github.com/prabhusarath/dataframedashboard> ).
- Android apps** in several domains: Apps using Google Maps APIs like **Travelers Watch, Unforgettable Places**. Gamified apps like **Brain Trainer, Guess the celebrity** and utility apps like **Apple Clock, Currency Converter, Bluetooth device finder** and **Weather Application**(<https://github.com/prabhusarath/AndroidApps>).
- Game Speed Web Application, Restaurant reservation Web Application** using HTML, CSS, Servlet, JSP, JavaScript, jQuery and MongoDB. (<https://github.com/prabhusarath/Restaurant-Reservation-System>).

## TECHNICAL SKILLS:

- Programming Languages** - Java, C, C++, Python.
- Web Technologies** - HTML5, CSS3, JavaScript, Express, Angular2, Node.js, React, Redux, Jasmine, Mocha, Chai.
- Databases** - Oracle 10g, MySQL, MongoDB.
- Automation Tools** – Selenium, HP-QTP, Open Script, Synergy, Cucumber, Oracle Application Test Suite.
- Bug Tracking Tools** – HP ALM/Quality Center, JIRA.
- Software Tools** - MS Visio, MS Project, Eclipse, Visual Studio, MS Office, IntelliJ IDEA, Android Studio, JetBrains WebStorm.

## CERTIFICATIONS:

- AWS Certified Solutions Architect-Associate
- AWS Certified Developer-Associate
- UiPath Certified Professional RPA Developer Beginner User.
- Scrum Master.
- M101J: MongoDB for Java Developers.
- Web Component Development using Java Technologies.