

Sarath Kumar Prabhakaran

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EDUCATION:

Illinois Institute of Technology, Chicago	M. S in Computer Science (Database Systems)	(GPA: 3.40/4)	(May 2017)
College of Engineering Guindy, Chennai	M.Sc. in Computer Science	(GPA: 7.76/10)	(May 2015)

TECHNICAL SKILLS:

- Programming - Java, Python, C, C++, VB.Net.
- Web Technologies - HTML5, CSS3, JavaScript, Ajax, jQuery, REST, Express, AngularJS, Node.js.
- Databases - Oracle 10g, MySQL, MongoDB.
- Automation Tools – Selenium, HP-QTP, Open Script, Synergy, Oracle Application Test Suite, Cucumber.
- Bug Tracking Tools – HP ALM/Quality Center, JIRA.
- Tools - MS Visio, MS Project, Eclipse, Visual Studio, MS Office, IntelliJ IDEA, Android Studio.
- **AREAS OF INTEREST:** Software Development, Web & Mobile Applications Development, Quality Assurance.

PROFESSIONAL EXPERIENCE:

Illinois Institute of Technology, Chicago, Illinois

- Position: **Graduate Teaching Assistant** Course: **Software Modeling Dev with UML** (January 2017 – May 2017)
- Position: **Graduate Teaching Assistant** Course: **Enterprise Web Applications** (August 2016 – December 2016)
- Assisted students to learn 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.

Oracle India Private Ltd, Bangalore, India

- Position: **QA Automation Intern - EIT** (December 2014 - April 2015)
- Position: **QA Automation Intern - RPOS** (June 2013 – November 2013)
- Automation Script Developer for the Unified Automation Program, Automation Framework developer for the Enterprise Integration Testing Team, designed and developed test plans, created and updated automation scripts in **VB.Net** and **Java** for Oracle Retail Products, Finding and Reporting Application Development Bugs.

ACADEMIC PROJECTS:

- Travelers Stop - Web Application to find Awesome Destination for Travelers developed using **Node.js, Express, MongoDB** and **RESTful Web Services**, deployed in **Heroku** and **mLab** (<https://travelmore.herokuapp.com/>).
- Developed a **Task Execution system** with **AWS Services (EC2, S3, SQS, DynamoDB)** 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** using **Python**.
- **Object oriented charting Dashboard** for data analytics and visualization for datasets using **JavaScript**.
- **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, To-do List** using **Meteor.js** and **MongoDB**.
- **Blogging Website** using **Maven, Spark, Mongo DB** and **Free marker**, **Game Speed Web Application, Restaurant reservation Web Application** using **HTML, CSS, Servlets, JSP** and **MongoDB**, **Friend finder Web Application** using **Servlets, JSP, JavaScript, JQuery** and **MongoDB**, **Online Theatre Management System** using **Java & Oracle DB**, Online placement Web Application using **JSP, Servlet, HTML** and **MySQL**, **Dijkstra's Algorithm, Database Joins** using **Java**.

CERTIFICATIONS:

- AWS Certified Solutions Architect-Associate (April 2017)
- AWS Certified Developer-Associate (April 2017)
- Web Developer Bootcamp (June 2017)
- UiPath Certified Professional RPA Developer Beginner User (May 2017)
- Complete Android Developer. (September 2016)
- Scrum Master. (June 2016)
- M101J: MongoDB for Java Developers. (February 2016)
- Web Component Development using Java Technologies. (October 2014)