

AKSHAY SARKAR

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Dynamic Software Professional with 5 years of Industrial Experience in various technical fields like Cloud Computing, Web and Mobile Technologies with understanding of Software Development Life Cycle.

EDUCATION

University of Texas at Arlington, TX, GPA: 4

MASTER OF SCIENCE IN COMPUTER SCIENCE, JAN 2017 – DEC 2018

Courses: Cloud Computing, Distributed systems, Android Programming, Web Data Management, Software Engineering, Algorithms, Spatial Databases, DBMS Models and Implementation Techniques

Visvesvaraya Technological University, India

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE, 2007 – 2011

WORK EXPERIENCE

Graduate Teaching Assistant, UTA, TX JAN 2018 – DEC 2018

- Collaborated with [Prof. Elizabeth Diaz](#) in Coursework of Web Data Management for Master Level Students.
- Communicate with Students, Guide them in Group Projects and Grade Assignment with Individual Demos.

Application Intern, J. Knipper Healthcare, NJ JUN 2018 – AUG 2018

- Azure based Web Development with Angular 4 and SSO Integration.

Application Engineer, Oracle India, Bangalore OCT 2015 – JAN 2017

- Contributed in Oracle Corporation Product [Primavera P6 EPPM](#), with owning certain modules from product and converting pre-developed product in Java Applet to Web Application using OUI(Oracle User Interface Framework).
- Worked closely with Business Analyst in consolidating requirements and later taking requirement to software development cycle. Involved in Bug Fixing and Unit Testing.

Software Engineer, LG Soft India, Bangalore SEP 2014 – SEP 2015

- Developed multiple applications for [Digital Signage](#) (TV Advertisement in Malls, Hotels and Food Courts) using Node and MongoDB.
- Conducted out a research project for developing a new CSS Animations framework, Enyo. Built for LG proprietary WebOS.

Software Developer, Aseema, Bangalore FEB 2012 – SEP 2014

- Developed Web Services in Java and managed Web Applications with JSP/Servlets, HTML, CSS and JavaScript.
- Created Mobile Apps with Cross Platform Technologies like Sencha Touch, jQuery Mobile and PhoneGap/Cordova for Android and IOS
- Managed Database, Monitored Server (using Watchdog Service) and Deployed Applications.
- Created Set-Top Box Application for Cisco Technologies like Facebook STB and Net-front Keyboard.

ACADEMIC PROJECTS

iVote - UTA Ambassador JAN 2017 – APR 2017

UTA Ambassador is an android app for easy, fast and secure voting system in UTA for polls of UTA Ambassadors.

- As a 'Team Captain' responsibility was to managing team tasks and guiding them in achieving it on [TRELLO](#). Holding regular meetings and keep them posted about progress individual member making.
- Led team of 8 during project, proposed improvements in design and put researched effort for learning Android.
- Programmed in Android with MySQL DB as backend support.

Cloud Computing

JUN 2017 - AUG 2017

Below Application developed in Python using Flask (Web Application) and Other libs

- IBM BLUEMIX** Store, Retrieve and Encrypt/Decrypt files using basic cryptography on Object Storage Service.
- AWS S3** Upload, Download and Versioning files to-and-fro from Buckets on AWS(S3).
- AWS RDS** Upload CSV file and Perform CRUD operation on AWS RDS. Setup Memcached on AWS and perform queries along with performance calculation for optimization.
- AWS Auto Scaling** Testing performance by creating traffic using JMeter and Scale Up-down AWS EC2 Instances based on Traffic.
- MS Azure** Upload files on Microsoft Azure DB and Buckets Both.
- Hadoop Map Reduce** Application in Python and Java.

Suitcase Manager

JAN 2017 – APR 2017

App is a simple and intuitive android app to keep track of checking bags while you are travelling via Air. It helps in planning and managing multiple trips together with list of items carrying during each trip.

- Analysis on Proposing Application, work on design aspects of it and support team during development phase.
- Developed using Android with features of QR Scanning, App Intro and Firebase as Backend.

University of Texas Arlington(UTA) Map

JAN 2018 – APR 2018

Idea of project is to learn about real life aspects of Spatial Data Management with use of Google Earth to create map, QGIS for Visualization of Map and Spatialized DB for storing and querying spatial data.

- Learn and explore different aspects of Spatial Systems and work on design aspects of application.
- Develop Web UI in Python using flask and QGIS libraries for finding shortest distance on map.

SOFTWARE SKILLS

LANGUAGES	JavaScript/TypeScript, Java, PHP
CLOUD	AWS, MS Azure
DATABASE	MySQL, Mongo DB, Redis
WEB	Angular2+, NodeJS, HTML 5, CSS, Bootstrap
MOBILE	Android, PhoneGap/Cordova, Firebase
WEB SERVICES	RESTful API / SOAP
ENVIRONMENT	Git, JIRA, Trello, Chrome Dev Tools

CERTIFICATION/EXTRA-CURRICULAR

- Completed 6 months **Certified Diploma Course in JAVA** (Java/J2EE), National Institute of Information Technology, Bangalore in AUG 2011 - FEB 2012
- Developed Web Services for Smart Arlington Android Application in HackUTA Hackathon, OCT 2017
- Sports Official Referee for Soccer Games at University of Texas, Arlington from AUG - DEC 2017

ACHIEVEMENT

- Awarded '**Employee of Year**' in Aseema Softnet Technologies, Bangalore, 2013-2014
- Appointed as 'Teaching Assistant (TA) for Web Data Management' Course in Spring and Fall 2018 under [Prof. Elizabeth Diaz](#).