

## KUMAR UTSAV

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### SUMMARY

- Experienced software developer with expertise in Object Oriented Analysis/Design and Full Stack Development
- Comprehensive knowledge of modern web application development technologies
- Motivated team player possessing strong communication and analytical skills along with a good sense of humor

### EDUCATION

Degree	University	CGPA	Graduation
Master of Computer Science	North Carolina State University, Raleigh, NC	3.61	May 2016
Bachelor of Engineering in Computer Science	University of Pune, India	3.52	May 2014

### TECHNICAL SKILLS

**Languages** Java, JavaScript, Ruby, C, Python, R

**Technologies** AngularJS, NodeJS, ExpressJS, Redis, Elasticsearch, HTML, CSS, JQuery, AJAX, Kendo, Firebase, Ionic, Rails, Storm, Jade, Bootstrap, Material Bootstrap, Play, Vagrant, Docker, Ansible, AWS

**Databases** MongoDB, PostgreSQL, MySQL, Oracle Database 11g

### RELEVANT COURSEWORK

Design and Analysis of Algorithms, Object Oriented Design and Development, Advanced Data Structures, Software Engineering, Advanced Algorithms, Internet Protocols, DevOps, Network Security, Database Management Systems

### WORK EXPERIENCE

**Etix Inc., Morrisville, NC** - Technology Intern

**Sept 2015 – Present**

- Writing the code for printing as a service module to handle communications between printers and Etix ticketing platform
- The module will also be responsible for handling the content and template/custom formatting of tickets

**Strayatech, India** - Java Developer

**Nov 2013 – June 2014**

- Managed CRUD operations API & Enumerations API development for KIRI Framework in an Agile environment
- Researched and established rules for using Ebean with Play framework for fast data access using less code
- Worked on the development of a CRM application:
  - Designed the front end using AngularJS and Kendo framework and used KIRI for backend
  - Provided multiplatform support by creating installable apps for iOS, Android and Windows using PhoneGap
- Collaborated with the senior management team to implement the Agile Development Framework

**Cognizant Technology Solutions, India** - Programmer Analyst Trainee

**Sept 2012 – April 2013**

- Lead a team to create a MVC architecture based Share Market Management System
- Designed this system using Facade, Abstract Factory and Factory Design Patterns with front-end in JSP and CSS

### PROJECTS

#### Tasks Master

- Developed a portal for users to post and accept errands with chatting functionalities using AngularJS and Firebase
- Secured the portal with Firebase Auth and Firebase Security Rules
- Currently upgrading with NodeJS and MongoDB for backend for better scalability

#### Code Smell Hunter

- Wrote ruby scripts to fetch Github data on three different projects using Github API
- Documented and analyzed the collected data to estimate the project timeline and costs
- Based on the analysis, identified failure points in the project development process

#### Netflix Reverse Engineering

- Modeled a recommendation system utilizing Lambda Architecture based on Netflix recommendation algorithm

#### OSS Contribution to Sahana Eden

- Investigated the performance of HeadJS, LabJS, and RequireJS to speed up the JavaScript loads within Sahana Eden
- Added Google Maps and Directions Service to the platform to enhance the disaster relief service

#### OSS Contribution to NPM

- Designed a regex based markdown to HTML parsing algorithm
- Packaged it into a node module and published it to NPM which has over 200 downloads as of now

### LEADERSHIP

**Technical Head** - Association of Computer Engineering Students, University of Pune