

KUMAR UTSAV

1619-5, Crest Road, Raleigh, NC 27606 • 919-579-1878 • kutsav@ncsu.edu • kumar-utsav.github.io

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 2012

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

WORK EXPERIENCE

Etix Inc., Morrisville, NC - Technology Intern **Sept 2015 – Present**

- Implementing Printing as a Service module to handle communications between printers and Etix ticketing platform
- The module will efficiently handle the content and the template/custom formatting of tickets

Strayatech, India - Java Developer **Nov 2013 – June 2014**

- Managed CRUD operations API & Enumerations API development for KIRI Framework
- Researched and established rules for using Ebean with Play framework for faster data access with minimum code
- Designed and developed a Customer Relationship Management application using AngularJS, Kendo and KIRI framework
- Provided multiplatform support for the CRM application by creating installable apps for iOS and Android 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 by Firebase Auth and Firebase Security Rules
- Currently upgrading backend with NodeJS and MongoDB for better scalability

Code Smell Hunter

- Wrote ruby scripts to fetch Github data on three different projects using Github APIs
- 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

- Compared 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 Node Community

- 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

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

LEADERSHIP

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