

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	3.22	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, Raleigh, NC - Technology Intern

Sept 2015 – Present

- Improving upon the payment and ticket printing feature of Etix's platform by providing an easier solution for customers
- Developing the solution based on the research on raw commands for silent printing

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 in developing Share Market Management System in Java based on MVC architecture
- Designed this system using 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