KUMAR UTSAV

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EDUCATION

North Carolina State University, Raleigh, NC   **December 2015**
Master of Computer Science   GPA: 3.61

University of Pune, India   **May 2012**
Bachelor of Engineering   GPA: 3.22

TECHNICAL SKILLS

Languages	Java, JavaScript, Ruby, C, Python
Technologies	AngularJS, NodeJS, ExpressJS, Redis, ElasticSearch, HTML, CSS, JQuery, Kendo, Firebase, Ionic, Rails, Storm, Jade, Bootstrap, Material Bootstrap
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, Automated Software Engineering

WORK EXPERIENCE

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 an Ebean (Object Relational Mapping product) with Play framework.
- 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 of the application for iOS, Android and Windows using PhoneGap.
- Recommended the change from excel based to agile based project management.

Cognizant Technology Solutions, India - Programmer Analyst Trainee   **Sept 2012 – April 2013**
- Developed an MVC architecture based Share Market Management System in Java.
- 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.
- Implemented portal security with Firebase Auth and Firebase Security Rules.
- Currently upgrading with NodeJS and MongoDB for backend.

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 API v3 Maps Service and Directions Service to the platform.

OSS Contribution to NPM
- Designed a regex based parsing algorithm. Packaged it into a node module and published it to NPM.

Twitter Sentiment Analyzer
- Implemented Love-Hate sentiment analysis with NodeJS on live tweets using Twitter Streaming API and nTwitter.
- Conceptualized graphical illustration of the stream employing CanvasJS.