

KUMAR UTSAV

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EDUCATION

North Carolina State University, Raleigh, NC

Master of Computer Science

December 2015

GPA: 3.61

University of Pune, India

Bachelor of Engineering

May 2012

GPA: 3.22

TECHNICAL SKILLS

Languages Java, Ruby, C, Python

Web Technologies Javascript, AngularJS, NodeJS, ExpressJS, Redis, ElasticSearch, HTML, CSS, JavaScript, JQuery, Kendo, Firebase, Ionic

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 Ebean ORM 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

- Created and published a node package to parse Markdown to HTML.

Twitter Sentiment Analyzer

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