Tanuja Gadde

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Objective

Work in a challenging full time software engineering position in product and web development that will utilize my Technical and Analytical skills.

Education

Clemson University
Master of Science in Computer Science, School of Computing ***Clemson, SC***
GPA: 3.6/4 ***Aug, 11–May, 13***

Nagarjuna University,Vijayawada
B.Tech (Computer Science Engineering) ***Vijayawada, India***
80%aggregate in First classhonors with Distinctionor GPA: 3.2/4 ***Aug, 06–May, 10***

Technical Skills

Programming Languages	:Java, C
Scripting	:Java Script, PHP
Web Technologies	: J2EE, JDBC, Spring, WebLogic, AWS, NodeJS,AJAX, Maven, Ant, Log4j, HTML4, CSS 3.0, Webservices, Soap, Restful services, TestNG, RESTAssured,RESTEXPRESS,AngularJS,ReactJS
Core skills	:Algorithms, Data Structures
Source Control Systems	: SVN, CVS, GIT
Tools	: Eclipse, SSH
Database	:MySQL, Oracle 10g, MongoDB
Operating Systems	: UNIX, Windows

Employment

Pearson ECollege ***Centennial,CO***
Associate Software Engineer ***Dec, 15-Till Date***

Technology:Java 1.8, Angular,JavaScript,ReactJS,Java,NodeJS,Git

The project Notifications and FeedBack is a webpack component that uses ReactJS to build out its UI. Notification-Component is NOT an Origami component.It makes service calls to Notification-API as well as Feedback/Coachmark-API.Each Notification may contain a list of Coach Marks to display in a next/back sequence. Since each Coach Mark has a different url to display, each Coach Mark display could be a new page load. In order to maintain context between page loads, the URL must contain the id of the current Notification as well as the ID of the current Coach Mark. This will allow the Notification-Component to query the Notification-API and the Coach-Mark-API to rebuild context on each page load.

- Implemented features to the coachmark component to add the back and next buttons.
- Involved in the design and implemented the notifications components.
- Involved in analysis, specification, design, implementation and testing phases of a new project as feedback is like an appstore that allows users to try new features and provide feedback. This allows developers to get their new feature in front of more people while in a beta state, promote early adoption and advertise availability of new applications.

Aikya Information Systems Inc *Centennial,CO*

Client : Pearson ECollege *Sep, 15-Dec, 15*

Associate Software Engineer

Technology:Java 1.8, Angular,JavaScript,RESTEXPRESS,MongoDB,NodeJS,Git

The project Course CopyAPI is a new GRID system that will serve as the system of record for copying of course related information within GRID. It will perform the function of a mediator, simply managing a course copy and monitoring its status.Also part of a different project where the student or professor will be able to login to a UI portal to look into their courses and their performances and assignments

- Implemented few new routes and worked on the enhancements of the Course Copy API.
- Involved in the design and implemented few card visualizations such as histogram and calendar.
- Involved in analysis, specification, design, and implementation and testing phases of a new project as LABS is like an appstore that allows users to try new apps and provide feedback, &c. This allows developers to get their app in front of more people while in a beta state, promote early adoption and advertise availability of new applications.

Pearson ECollege *Centennial, CO*

Quality Assurance Engineer *July, 14-Sep, 15*

Technology: Java 1.6, TestNG, RESTAssured, MongoDB, LINUX

The project Course CopyAPI is a new GRID system that will serve as the system of record for copying of course related information within GRID. It will perform the function of a mediator, simply managing a course copy and monitoring its status.

- Designed and implemented automated testing and programs addressing areas including database impacts, software scenarios, regression testing, integration testing, endtoend testing, negative testing, error/bug retests and usability.
- Documented software defects using bug tracking system and reported defects involving program functionality, output, online screen and content to software developers.
- Delivered thorough QA testing reports that determined product quality and release readiness

Premier IT Solutions, Inc. *Englewood, CO*

Client: Comcast *July, 13–June, 14*

Software Engineer

Technology: Java 1.6, Web services, Spring, JDBC, Unix, Oracle 10g

The PrepaidService provides operations to manage provisioning and maintenance of prepaid consumer HSD and Video products.The application was developed using ClientServer based architecture.

- Involved in analysis, specification, design, and implementation and testing phases of a new enhancement to the application namely redeem feature
- Resolved product complications at customer sites during activation of internet services on multiple line of business such as HSD and Video
- Involved in designing UML Use case diagrams, Class diagrams, and Sequence diagrams using IBM Rational Software Architect (RSA).
- Used Web services WSDL and SOAP. For requesting the data from various other services namely location services to get the location details required to check/validate if the activation of the internet can be processed.
- Used JAXB XML parsers for data retrieval.

- Designed various tables required for the project in Oracle database and used the Stored Procedures in the application.
- Used Maven to build application.
- Worked on the Linux hosting platform.
- Used Log4J for logging and tracing the messages.
- Used CVS for version control across common source code.

The EST Service will expose operations that may be used to submit refunds, transfer assets from one account to another, and request Usage data for Electronic Sell Through (EST). The application was developed using ClientServer based architecture.

- Involved in various phases of Software Development Life Cycle (SDLC)
- Provided bug fixes and enhancement on refunding of assets mechanism for the customers.
- Generated Use case diagrams, Class diagrams, and Sequence diagrams using IBM Rational Software Architect (RSA).
- Used JMS API for asynchronous communication by reading the messages in the Message queue and processing the data to refund asset, by sending the data to the biller.
- Used Web services –Soap and WSDL for processing credits to customer.
- Designed various tables required for the project in Oracle database and made use of Stored Procedures in the application.
- Used Maven to build the application and deployed on WebLogic Application Server.
- Monitored the error logs using Log4J for identifying bugs.

Premier IT Solutions, Inc. ***Brookfield, WI***
Client: Connecture ***Oct, 12–Dec, 12***
Software Engineer
Technology: Java 1.6, Struts, Oracle 10g
This is a business unit that is focused on Health Insurance. The system was developed to provide health plan sales automation and online health insurance process automation for all size health plans. The application was developed using MVC based architecture.

- Analyzed Business Functionality and use cases and interacted with Users.
- Responsible for designing, coding and developing the application.
- The total application was developed in J2EE using MVC architecture.
- Developed the web tier components using JSP, Struts, and JavaScript.
- Used SVN Version Control.
- Created Unit test cases.
- Analyzed and resolved the crucial production defects.
- Used Log4j for logging.

Course Projects

Designing a Complier: Translation of Programming Language:

- Technology: Python
- Implementing the complete compiler from lexical analysis to code generation following the whole work flow i.e. creating the lexical analyzer from which we get the tokens and looking for the syntactic error by creating the parser following the semantics and code generation

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Metube: Database Systems

- **Technology: PHP, MySQL 5.0, Apache Server**
- **I**mplementing the Metube system similar to YouTube system, the requirements of the project is to develop an online multimedia database system, Metube, which enables users share multimedia files online, add and interact with friends through messaging. Users can comment/like/rate a media and also block any users/friends from viewing certain media**.**

Implementation of Parallel FTP

- **Technology: Java**
- Implementing parallel ftp to reduce the time and also comparing the throughput of file transfer in single session ftp and parallel ftp taken to send a large file.
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Analyzing Face Detection Algorithms: Biometric Systems

- **Technology: Matlab, Algorithms**
- Implementing the face detection algorithms and understand the results and come up with a conclusion on each of the algorithms.

Learning Heterogeneous Data for Hierarchical Web Video Classification: Multimedia Systems

- **Technology: Matlab, Algorithms**
- We propose to investigate a more effective video annotation method by learning video classifiers from the image domain, as videos are set of images in quick succession. We will be using a novel transfer learning algorithm to make use of heterogeneous auxiliary data, secondly a hierarchical ontology semantic forest is proposed which represents the semantics of the web data and fits for metadata transferred heterogeneously, thus enabling us to tag videos appropriately**.**