

SOFTWARE DEVELOPER

Highlights

Xcode 4, Objective C, MAPKIT, Core Data, Message UI, Core Location, UIKIT, Photoshop. Hangman iOS App: Implemented Hangman game application for guessing words, phrases, sentences in respective level of difficulty. Environment: Xcode 4, Objective C, Core Data, UIKIT. Detecting and Tracking Moving Objects: Implemented an algorithm for detecting and tracking multiple moving objects in a scene using the concept of inter-frame difference. MATLAB

Experience

Software Developer

September 2015 to Current

- PROJECTS architecture (NIRA) that gives a user the ability to choose the sequence of providers his packets take. Key modules include Route Discovery, Handling Route Failures, Forwarding. This algorithm is referenced from an IEEE Journal.
- Environment: Eclipse IDE, GWT, Spring, Hibernate, MySQL 5.5, Java.
- Database Interface for New Century Energy Game: Developed an Interface for NCE game in both web application and Windows application.
- Key modules includes secure authentication, allows user to run stock reports, export of results to Excel document, prevent SQL injection, spell checking.
- Environment: Eclipse IDE, Spring, JDBC, Struts 2, MySQL Workbench 5.2 CE.
- Ticket Link To Houston: Developed a web application that allows user to book tickets for sports and concerts. Key modules include secure authentication, resource management, emailing, scheduling, registration and administration.
- Environment: C#, ASP.NET, Microsoft Visual Studio 2010, Oracle 10g.
- Placement Activity System: Developed a web application for creating an interactive job vacancy for candidates. Best Project Award - University Level.
- Environment: Java, JSPs, Hibernate, JQuery, JavaScript, Tomcat 5.0, Struts, Spring.
- Supply Tracker iOS App: Developed an iOS application that allows user to purchase goods and track the location of goods. Key modules include secure authentication, tracking location, emailing, best route delivery.

Software Engineer

August 2013 to August 2015 Liberty Fox Tech

- Home Mortgage Application Reduced time to render the borrower information by 20% by optimizing number of server hits, subroutines.
- Implemented reusable directives across application which reduces code complexities.
- Identified bugs in Angular JS directives and resolved it with own directives.
- Wrote advanced algorithms in JAVA for product compatibility checks, which were used across home mortgage application.
- Coded web-based home mortgage prices using JAVA for supporting more than 3500 Wells Fargo users.
- Created business layer for calculating home mortgage rates and pulling secured credit report with spring transactional management using RESTful web services.
- Optimized those business services via caching.
- Implemented a user interface for different kinds of program details (Down payment Assistance Program, Bond) at application level.
- Added search filters based on state, city and type of program etc.
- Implemented test case components for SQL Queries which can be called during refresh process of application.
- Implemented application specific Hibernate Mapping files to entity objects.
- Developed application using Spring Framework that leverages classical model view controller (MVC-2) architecture.
- Nirk Raju Guthikondam Used technologies like Asynchronous JavaScript, Ajax, CSS, HTML5 efficiently for better, faster interactive Front-End.
- Developed JUnit test cases and E2E test cases using Jasmine and Grunt, Node JS.
- Actively involved in designing and implementing Singleton, Factory, MVC, DTO, DAO Design patterns.
- Involved in writing SQL queries and procedures and applying optimization techniques.
- Implemented JMS for asynchronous message transfers.
- Created and consumed RESTful Web Services for price calculation of property.
- Environment: JBoss 7, JQuery, Angular JS, Node JS, Java 1.5/1.6, Hibernate, Spring, JSP 2.0, Servlets 2.5, JMS, XML, RESTful, WSDL, SAX, DOM, JavaScript, Rational Rose, UML, HTML, Log4J, JUnit, Maven, Oracle 10g, Windows.

Software Engineer, Intern

January 2013 to May 2013 Planet Pharma

- Implemented a DB interface for New Century Energy Game data using JAVA.
- Created APIs for accessing, updating and filtering the game data in secure and reliable manner; typical data set consists of 1000000 records and optimized performance at the application and database level.
- Implemented searching algorithm with different kinds of search filters and spell checker (English and French) additions.
- Reduced running time and space using page replacement and similarity search algorithms.
- Actively involved in designing and implementing Singleton, MVC, Front Controller and DAO design patterns.
- Created SQL Queries.
- Developed an application with 100% unit test code coverage.
- Environment: WebSphere 7, JQuery, RAD 7.5, Java 1.5/1.6, Hibernate, Spring, JSP 2.0, Servlets 2.5, JMS, XML, SOAP, WSDL, SAX, DOM, JavaScript, Rational Rose, UML, HTML, JNDI, CVS, Log4.

Education

J, JUnit, ANT, DB2. : May 2012 University of Houston Clear Lake

Teaching Assistant Courses: Design Analysis of Algorithms, Advanced Software Development with .Net and C#, Assembly Language Programming, Internet Protocols. Developed teaching materials, such as syllabi, answer keys, supplementary notes, or course websites

Master of Science : Computer , May 2013 City , State GPA: GPA: 3.79/4.0 Computer GPA: 3.79/4.0

Design Analysis of Algorithms, Software Design Patterns, Web Application Development, and Mobile Application Development.

Bachelor of Technology : Computer Science , March 2011 JNTU University i¼ City , India GPA: High Distinction. Computer Science High Distinction.

Data Structures, JAVA, Software Project Management, Network Programming, and UNIX. NrkJ Raju G uthiko nd a 2 ACADEMIC A New Inter-Domain Routing Architecture : Implemented a new Internet routing

Additional Information

- HONORS & Space Ranger Award (2014). Awarded by Project Technical Leads and Managers ACTIVITIES vote for outstanding work. Dollars for Scholars scholarship Recipient (2011, 2012). Selected out of 900 students to receive \$15000 scholarship for outstanding academic records Awarded Second Prize in National Level Technical Symposium (2010). Selected out of 3000 students. NrkJ Raju G uthiko nd a 3

Skills

.Net, ASP.NET, ACADEMIC, Photoshop, Ajax, ANT, API, Application Development, Assembly Language, book, concept, Controller, credit, CSS, CVS, DAO, data base, Database, delivery, designing, DOM, Eclipse, English, XML, frame, French, HTML, HTML 5, HTML5, DB2, IDE, Internet Protocols, Java, Java 1.5, JMS, JSP, JSP 2.0, JavaScript, JBoss 7, JDBC, JNDI, JQuery, Log4J, notes, materials, MATLAB, C#, Excel, Windows, MVC, MySQL, MySQL 5.5, Network, Objective C, optimization, Oracle, DB, PL/SQL, page, Programming, Project Management, RAD 7.5, RAD, Rational Rose, Rational Rose, Routing, scheduling, Servlets 2.5, scripts, SOAP, Software Design, Software Development, SQL, Struts 2, Struts, Swing, Teaching, Tomcat 5.0, type, UML, UNIX, user interface, View, Microsoft Visual Studio, Web Application Development, websites, WebSphere, Workbench 5.2, XSLT