

Ankush Tyagi

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EDUCATION –

- Masters of Science, Computer Science
University of Texas, Arlington, USA
Graduated–August 2013
- Bachelor of Engineering, Information Technology
Dharmsinh Desai University, India
Graduated – May 2010

SKILLS –

- **Languages** : C++, AngularJS, JAVA, Python, JavaScript
- **Web Development Technologies** : HTML5, CSS, PHP, JSON, AJAX
- **Database**: MySQL, PostgreSQL
- **Operating Systems**: Windows, Linux, Mac OS, Android
- **Other Tools**: Selenium, JUnit, Hudson, Perforce, Protractor, Git, Jasmine, Eclipse, JIRA, Jenkins

Software DEV Staff Engineer, Dell, Round Rock, TX

June 2015-Present

- Design Web Pages using **AngularJS** and JavaScript framework. Implement **Rest-Based API** calls using Java to retrieve data from **PostgreSQL**.
- Implement Swagger annotations for documenting all of the user interface APIs. Create proof-of-concept on packaging an UI plugin into a standalone installable RPM (including HTML JS files).
- Understand Business Specific Requirements of the Enterprise Server Management Console and Design Wireframes to demonstrate work flow of several marketing requirements.
- Design and Implement various features as per Marketing requirements. Laid out Test Infrastructure which will facilitate UI Automation Testing.
- Participate in design discussions and scrum activities and help offshore team in testing various features of System Management Console product.

Software Engineer, Dell, Round Rock, TX

March 2014- June 2015

- GUI Design and Development for Alert-Find products using **HTML5, CSS, EXTJS, jQuery, AngularJS, JAVA**, networking, server and storage technologies.
- Automated release validation tests to validate the expected behavior of AF features every Sprint to assure the core functionality remains intact.
- Worked with Offshore team and triaged issues logged by them.
- Experienced with configuring backend server and deploying package upgrade using Puppet.
- Strong knowledge of various software development life cycle (SDLC) aspects such as Requirement analysis, Design, Development, Testing and Deployment.
- Implemented cron-like jobs in a continuous integration environment (**Hudson**).
- Proposed and executed E2E dependency management using **NodeJS**. Utilized **npm** (Node package manager) to break apart the E2E framework into separate node modules.
- Integrated with **Artifactory**, a binary repository manager, to provide the ability for provisioning npm packages from artifactory to the npm command line tool.

RELEVANT COURSEWORK (Master's Degree) –

Design and Analysis of Algorithm
Operating Systems II
Computer Networks
Database Systems
Object Oriented Programming
Wireless Communications

Advanced Software Engineering
Advanced Database Systems
DBMS Model and Techniques
Software Testing
SoftwareEngineeringII: Management,
Maintenance and Quality Assurance

PROJECTS –

Control Flow Graph for Touch Develop Program

- The goal of the project was to build a Touch Develop program analysis tool that analyses control flow of a Touch Develop program by constructing control flow graph.
- Project was developed on Windows Phone.

Job Portal for Software Engineering Courses

- Designed and developed a Job Portal application customized to the client's requirements.
- The front end was in JSP and the backend was SQL Server. We followed the Scrum Agile Software Development process from the requirements to the testing phase.

Distributed Systems

- Simulation of distributed server architecture by integrating multiple services over different server and providing GUI to the client user, imposing one station solution while abstracting the inner working.
- The project was developed in Android.

Software Engineering

- The idea was to design a website for managing various outreach activities conducted at University of Texas at Arlington by Dr. Tiernan for the students of various age groups.
- The front end was designed in PHP and the back end was MySQL.

Database Systems

- The idea was to design and implement a database for keeping track of information about a car rental company (CAR RENTAL database).
- The front end was designed in PHP and the back end was MySQL.

Computer Networks

- The project was to design and implement a file transfer client and server, which emulated the behavior of the File Transfer Protocol. It was able to support large files, segment into part files and support parallel transmissions.
- The project was developed in JAVA.