

**Manideep Bollu**

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1140 Bendleton Trace

Alpharetta, GA 30004

Detail-oriented Node developer with over 3 years of professional experience in design and development of applications using Javascript, Java, Node, SQL and NoSQL databases.

**Skills**

**Programming Languages:** JavaScript (ES5/6), Java, Python

**Javascript Libraries:** RxJS, React, d3.js, Planck.js, LoadJS, GraphQL

**Web App Frameworks:** Angular.js, Express, Spring, Angular 2, JHipster

**Build & Pre-processors:** Gulp, Grunt, Webpack, Browserify, Babel

**Test tools:** Karma, Jasmine, Selenium (Java) and Protractor

**Cloud Technologies:** AWS EC2, S3, RDS, Docker and Heroku

**Web Servers:** Node.js, Glassfish, Apache Tomcat, JBoss

**Operating Systems:** Mac OSX and Linux

**Experience**

*Research Assistant (NodeJS/Java), Lamar University, Beaumont, TX*

Sep 2016 – May 2017

- Developed various web apps using Node and Java as a part of Dr. Stefan Andrei's research program.
- Analyzed performance and security of various algorithms by taking the book Cyber Security Essentials written by James Graham, Ryan Olson, Rick Howard as a reference.
- Implemented nvd3.js to create interactive data charts using the existing endpoints of PostgreSQL database.
- Implemented and tested the Virtual DOM concepts of ReactJS, JSX, React-router-dom and Redux.
- Implemented API based backend applications using Spring Boot, Security and JHipster frameworks.
- Worked on Javascript ES15/16, Observables (RxJS) and GraphQL.
- Implemented multiple large datasets on cloud using AWS EC2, S3, RDS stacks and created endpoints for client access.
- Created various build configurations using Webpack (implements CommonJS), Browserify, Gulp and JSLint.
- Worked with multiple student research groups to implement Java programs during their research on data analytics algorithms.

Environment: Node.js, ReactJS, RxJS, Java, Spring Boot, JHipster, Docker, GraphQL, Gulp, WebPack, AWS EC2, S3, Python, Flask, PostgreSQL, MongoDB, MacOS, Heroku, VS Code.

*Associate Software Engineer, CGI Group, Bengaluru, India*

Aug 2013 – Nov 2015

- Designed and developed GUI screens for user interfaces using JSP, JavaScript, XSLT, AJAX, XML, HTML5, CSS3, Bootstrap, JQuery and DHTML.
- Generated the Class diagrams, Sequence diagrams extensively for all the process flows using RAD, MS VISIO and Creately.
- Extensively involved in coding with Core Java concepts like Collections, Exception Handling, Multithreading, Java I/O, and Generics to implement some business logic.
- Used Core, Context, and Security, Bean modules of Spring Framework.
- Implemented MVC, Singleton, Factory, DAO, Value Object, session, Facade, Data Access Object, Business Object paradigm.
- Configured the XML files for Hibernate 3 and applied its Object Relational Mapping ORM to enable the data transactions between POJO and Oracle Database using caching on Sessionfactory as well as caching on query.
- Used JQuery framework for creating front end applications and for Client Side validations.
- Used iBatis for designing, developing and maintain the data layer.
- Consumed SOAP Services with Apache CXF as runtime engine.
- Worked on Marshalling and Unmarshalling the XML using JAXB.
- Worked on JMS and Messaging Queue (MQ) configurations.
- Experience in developing Web Services using - SOAP, WSDL and developing DTDs, XSD schemas for XML (parsing, processing, and design)
- Extensively worked for deployment, configurations of application on WEBSPPHERE server and WEBSPPHERE PORTAL for Integration of all modules.
- Used Eclipse IDE for the development of application and having sound knowledge on shortcut keys.
- Used Gradle as a build tool and Jenkins for continuous integration process.
- Created Stored Procedures, SQL Statements and triggers for the effective retrieval and storage of data into database.
- Application developed on Agile methodologies scrum and iterative method process.
- Used Apache Log4J logging API to log errors and messages.
- Created JUnit test suite to automate the testing of the business logic.
- Used Selenium Webdriver and written test cases in Java for integration testing.
- Involved in 24x7 support, Maintenance and enhancement of the application.

Environment: JDK 1.7, Spring framework, XML, HTML, JSP, Hibernate, iBatis, ANT, JavaScript, VSS, XSLT, CSS, AJAX, JMS, SOAP, Web Services, AWS, Websphere Application Server, Tomcat, Oracle DB, MQ Series, Junit, UNIX.

## **Education**

*MS in Computer Science, **Lamar University**, Beaumont, TX*

GPA: 3.72 / 4.00

*BE in Electronics and Communications, **Hindustan University**, Chennai, India*

GPA: 7.35 / 10.00

## **Acclamations**

- CGI POB (Pat on Back) award in Q1 2015.
- Adobe Certified Expert on AEM Software Development (Adobe ID: ADB360363).
- 3rd place winner - Poster Presentation at 5th Annual Texas STEM conference on Oct 28, 2017.
- Second highest grade in the Department of Electronics and Communications for the academic year 2009/10 during undergraduation.