

Chaitanya Krishna

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Portfolio Link: <https://chy0010.github.io/MainResume/>

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Professional Summary:

- **8 + years** of experience in design, coding, unit testing and deployment of **Java 8 /J2EE** various Web Applications and Web Services both REST/SOAP Services.
- Strong hands on experience in developing Single Page Applications (SPA) with Angular Framework.
- Experience in developing rich user Interface using **HTML 5, CSS, LESS, Bootstrap** and **Angular.js**.
- Strong Experience in developing optimized web applications with **JavaScript, JQuery**.
- Extensive experience in no sql databases like **Mongo DB**.
- Experienced in means stack development (Mongo DB, Express.JS, Angular.JS and Node JS).
- Good Knowledge of Spring MVC and spring's integration with **Hibernate** and **struts** technologies.
- Expertise in **Object-oriented design**, Design patterns, data Structure, Algorithm, **Multi-threading**.
- Strong development experience with developing **RESTful Web Services** using **Node.js**.
- Strong experience in designing **N-tier** architecture applications.
- Strong knowledge of Data pipeline and Streaming using **Kafka**, hands on experience of writing kafka producers, Connectors and Consumers.
- Converted existing **Terraform** modules that had version conflicts to utilize CloudFormation templates during deployments, worked with Terraform to create stacks in **AWS**, and updated the Terraform scripts based on the requirement on regular basis.
- Expertise in integrating **Terraform** with Ansible, Packer to create and Version the **AWS Infrastructure**, designing, automating, implementing and sustainment of Amazon machine images (AMI) across the AWS Cloud environment.
- Experience in **Git, GitHub flow** and good knowledge on Instances EC2 AWS and Azure Cloud VM.
- Experience in using version control and configuration management tools like GIT and GitLab.
- Extensive experience on JavaScript frameworks like **Angular 11 /8/6/4/2** and **Angular JS** to develop dynamic web applications.
- Experience using version control systems and managing database deployments for DynamoDB-based applications, ensuring a controlled and efficient release process.
- Designed and developed the application using **Angular 8** framework along with **HTML5, CSS3, TypeScript, JavaScript, Bootstrap, Node.js, NPM, D3.JS, Mongo DB**.
- Experience with services, pipes, form validation, Reactive forms in **Angular 2**.
- Excellent programming skills in **JAVA, HTML, DHTML, JavaScript (NodeJS on serverside), JSP** and **XML** Technologies.
- Expertise in developing front-end systems with **jQuery, AJAX, JSON** and **MVC** frameworks such as **Angular JS**.
- Good experience in **React.js** for creating interactive UI's using react native concepts.
- Proficient with container systems like **Docker** and container orchestration like **EC2** container service, **kubernetes**.
- Expertise in using **J2EE** design patterns including Front Controller, Data Access Object, Session Façade, Business Delegate, Service Locator, MVC, Data Transfer Object and GOF patterns - Factory, Abstract Factory, Singleton, Adapter, Observer, Composite etc.
- Experience in developing the applications using **Java, Multi-Threading**, collections in abundance and **struts** for backend API's.
- Extensively used **Angular** with **HTML, CSS**, and **Bootstrap** to create rich User Experience.
- Experienced in dealing with Cross Browser issues very effectively and work on almost every web Browsers Safari, Internet Explorer, Mozilla Firefox and Google Chrome.
- Experience with Workflow management & Batch processing.
- Expertise in **Unit testing** using **JUnit, Jenkins, Mockito & Karma/Jasmine, Selenium, Integration** testing, **Smoke** testing & **System** testing.
- Hands on experience in creating build scripts using **Maven, Gulp** and **Grunt**
- Excellent problem solving, analytical and leadership skills and ability to perform independently or as part of a team.
- Excellent Team Player. Excellent communication skills.

Technical Skills:

Programming	Java (1.5/1.6/1.7/1.8/17), C, PL/SQL, Python, Type script, JavaScript,scala
Client Scripting	JQuery 1.8,1.9, JQueryUI, AngularJS, JavaScript, TypeScript, CSS2, HTML5, Node.js
Java Frameworks	Spring MVC, GWT, AWS
Database Tools	SQL Developer MySQL Workbench, Mongo DB compass
Databases	DB2, MS-SQL Server, MySQL, Mongo DB,Apache Cassandra
Version Control	GitHub, BitBucker, GITlab
IDEs	Eclipse 3.0, 3.1, My Eclipse 4.1, Visual studio code, sonar
Build Tools	Maven, Gradle
Continuous Integration	Jenkins, Docker, Terraform
White box Testing	Junit 3, Junit 4, HttpUnit, Selenium
Black box Testing	HP Quality Center
Application/web Servers	Tomcat 6.0,7.1
Methodologies	Agile (XP, Scrum), Rational Unified Process (RUP), Waterfall, Kanban
Cloud Computing	GCP,AWS – EC2, RDS, S3, Dynamo DB, IBM Bluemix
Microservices	Swagger, Pivotal Cloud Foundry, Spring Microservices, Springboot

Professional Experience:

Client: Mercy Health – Cincinnati, OH

May 2022 --TillDate

Role: Sr Java Software Engineer

Responsibilities:

- Migrated few cloud formation templates to **Terraform** by using various **AWS** modules and secures the terraform state file in **s3 buckets**. Used Terraform plan to meticulously detect and analyze the changes that will be inflicted after Terraform apply.
- Developed User Interface application modules using **HTML, CSS, JavaScript, Angular 11, JSON** and **AJAX**.
- Enhanced application performace by **Angular 11** component based development in view of Angular framework transitions.
- Used **GitLab** for continuous integration and continuous development.
- Demonstrated a strong proficiency in Silo OMIMARK's software suite and continually expanded knowledge in data analytics and relevant technologies.
- Developed the Spring boot app in STS with **GIT** as repository. Used Atlassian tools like BitBucket, Bamboo and Jira for build and Maintenance of the project.
- Proficient in designing and modeling NoSQL databases using DynamoDB, understanding its schema-less nature and optimizing data structures for efficient querying.
- Involved in migration from current data center to **Azure cloud** using **Azure site recovery** and Database Migration Service, Performed API management in Azure for backend operations and data persistence.
- Developed **Microservices** with **Spring Eureka** to retrieve API routes for the entire cluster. Using this strategy each microservice in a cluster can be load balanced and exposed through one API gateway.
- Implemented **AWS Code Pipeline** and Created Cloud formation **JSON** templates in **Terraform** for infrastructure as code.
- Automate provisioning and repetitive tasks using **Terraform** and Python, Docker container, Serviceand Orchestration.
- Used **Java 8** stream API's for bulk operations on collections using **parallel streams**.
- Increased performance, extensibility, manageability and testability of the code by using **Sonar**
- Created **RFP (Request for Proposal)** microservice to provide RESTful API utilizing **Spring Boot** and **Spring MVC**.
- Deployed spring boot based microservices **Docker** container using Azure cloud container services.

- Oversaw migration of existing application into Microservices architecture using **REST API's, SpringBoot** and **AWS**. Deploy and maintain **AWS EC2** instances in **Docker**.
- Experience in Data migration from DB2 to Apache Cassandra DB and involved in major and minor up gradation of Couch base and Cassandra cluster
- Performed Continuous Code Quality on the using SonarQube.
- Worked on Fixing the bugs and code smells for the using SonarQube
- Involved in designing web pages using **HTML 5, CSS3, Java Script, Bootstrap, React.js, Mongo DB**.
- Designed /developed UI by using Vaadin and consumed the rest services using API's and JSON.
- Created reusable and testable **React.js** functional and class components using **ES6**
- Implemented and maintained the monitoring and alerting of production using **AWS cloud watch**.
- Used **JSON** and **XML** for developing the application to interact with API's, Web Services.
- Developed client-side code in **Angular 8**, Integrated with REST, Processed the JSON response.
- Used spring Boot at back end which helped to develop application with ease.
- Developed Interactive graphs using **D3.js** with **JSON** data. Good understanding of Open shift platform in managing Docker containers Kubernetes Clusters.
- Strong command of SQL for data manipulation, querying, and reporting within Oracle databases.
- Successfully executed data migration projects, transferring data from legacy systems to Oracle databases.
- Expertised and had hands on experience on custom connectors using the **kafka** core concepts and **API**.
- Involved in understanding and development of **Restful API's** for the front-end application and also performed the **unit testing**.
- Developed **RESTful** services using **NODE JS** Loopback Framework.
- Have the working knowledge on **Node JS package** management and used the **npm tool** for setup.
- Have experience with **Mongo DB Atlas** Clusters to connect to an existing database.
- Tested the API's on the Postman tool to make it easy for creation, sharing, testing and documenting the API's to save simple and complex **HTTP requests** and read their responses.
- Code on daily basis by breaking into per day scope, perform Junit testing and push code to **GitHub**.
- Worked on multiple delivery platforms, such as mobile vs desktop and optimized output to match the specific platform.
- Tracked **GCP** traffic for error handling and trouble shooting scenarios.
- Closely worked with GCP API team to understand the REST contract between FPS and API team
- Utilized Kubernetes and docker for the runtime environment of the **CI/CD** system to build, test and deploy. Also, used monitoring platform on **Kubernetes** to report detailed resource usage information.
- Implemented automated testing platforms and unit tests and proficient in understanding of code versioning tools such as **GIT**.
- Good understanding of server-side templating languages, front-end technologies, fundamental design principles, **HTML5**, and **CSS** and strong proficiency in **Node JS frameworks** and **JavaScript**.
- Attended development meetings like stand-ups, kick-offs and design sessions with the teams and clients.

Environment: Java 8, Spring Boot, GITLAB,AWS, Angular 6,8,GCP, JSON, AZURE, Terraform,Eclipse, Visual Studio, Docker, REST API, React JS, Vaadin ,Kafka, Node JS,GIT, Terraform,Sonar,Github, Cassandra,Java Script, MongoDB, HTML5, CSS, Postman, Node modules, html-pdf npm, GIT,oracle.

Client: Albertsons Companies - Pleasanton, CA

Aug 2020 – April 2022

Role: Java AWS Developer

Responsibilities:

- Configured RDS instances using Cloud formation templates and **Terraform**. Worked with Terraform to create AWS components like **EC2, IAM, VPC, ELB**, Security groups.
- Used **JIRA** to report the hours and issues that are related to the project and Worked with mortgage express vendors to get all the connectivity needed details for the applications for both the production and non-production environment.
- Involved in developing object-oriented Java script and experienced with **AJAX, JQuery, HTML5, D3.JS, Angular, Node JS** and **CSS**.
- Well versed with build automation using tools such as GitLab, Bitbucket, Jenkins, Team foundation Server, Hudson, Gradle and Maven.
- Implemented Custom Charts related to media monitoring using D3.JS.

- Identified and implemented process improvements, resulting in increased efficiency and cost savings for both Silo OMIMARK and clients.
- Used **GitHub UI, Git bash** to commit, changes to the repository for maintaining various versions of the agile process.
- Used Bitbucket **GIT** to store and maintain source code
- Demonstrated ability to optimize DynamoDB performance through techniques such as provisioned throughput, read and write capacity units, and fine-tuning for low-latency responses.
- Implemented database connectivity using **Spring JDBC** framework to work upon different modules.
- Architected the front end solution using **React** and **GraphQL**.
- Involved to implement various screens for the front end using **React.js** and used various predefined components from **NPM** (Node Package Manager) and **Redux** library.
- Implemented rich user experience with frontend technologies like **Node.js, HTML5, CSS3, Bootstrap library**.
- Working on building a custom cms to move off of wordpress being built using **NodeJS, ReactJS**.
- Worked with Node JS and npm modules like http, q path, **mongo DB**, express and templating engines.
- Involved in development of various **Spring Boot** based Microservices and supported legacy Spring MVC application stack which was hosted on WebSphere environment.
- Involved in code refactoring using eclipse IDE, code review using fish eye, code quality using **sonar** and check style.
- Good knowledge of **Docker, Kubernetes, IBM cloud, API connect, GraphQL, ReactJS**.
- We hosted all our microservices in AWS Cloud infrastructures using Jenkins CICD pipeline.
- Developed and maintained swagger documentation for all the **Restful web services**.
- Responsible for maintaining and expanding **AWS** (Cloud Services) infrastructure, developed various Cloud Formation templated (CFT's) to maintain various stacks on **AWS**.
- Involved in writing of multiple responsive web applications (client side) using **Angular Framework**.
- Experienced in MEAN stack **Mongo DB, Express, Node** and **Angular 6**.
- Generated Java APIs for retrieval and analysis on No-SOL database such as HBase and Cassandra and Worked with NOSQL
- databases like Cassandra and Mongo DB
- Worked on sending and receiving messages to **Kafka** using spring clients.
- Enhanced legacy application by building new components in **Angular 2** and **typescript**.
- Developed single page applications using **Angular 8, TypeScript, webpack and Grunt**.
- Constant indulging and coherent working with concepts of **Python** and AWS cloud formation templates.
- Created Typescript reusable components and services to consume **REST API's** using Component based architecture provided by **Angular 8**.
- Initiate merge for **GIT** code to production and handle merges for on-shore and off-shore team so that there is no conflict and fix the conflicts.
- Changing the AWS infrastructure Elastic **Beanstalk to Docker with Kubernetes**.
- Involved in writing of multiple batch jobs using Spring Batch frame work where we configured both annotation/xml beans to support various business functionalities.
- Involved in various tasks in support of coding and creating web pages **using JavaScript/HTML JavaScript, JSP**.
- Involved in writing of test cases using **Junit** and **Mockito** frame work and maintained a branch coverage above 80% which is a mandatory requirement.
- Used **Hibernate 3.0** in data access layer to access and update information in database.
- Used **Hibernate** as ORM mapping tool and worked with **Hibernate** query language(**HQL**).
- Integrated spring with **Hibernate** and made as **Spring** bean using **Hibernate** Template.
- Followed Acceptance Test Driven Development with the help of Cucumber framework where we automated the test execution of each feature we developed.
- Have Experience in using **Github** repository to run the **Jenkins** job for Continues Integration while developing the applications and posting them in **GIT**.
- Extensive use of **Docker** for developing test cases and performed unit and integration, tested by using **JUnit**.
- Used **UNIX** shell scripts for implementing daily jobs.
- Involved in raising questions for business, getting answers from them, bug fixing, and tracking is done by **JIRA** and have provided solutions using and implementing **AWS**.
- Good knowledge of **Change Streams** associated with the **MongoDB 3.6** for handling the changes in the data.
- Ability to work under pressure, easily adaptable and Self-motivate.

Environment: JDK 1.8, Spring, java 8, AWS, JPA, JavaScript, TypeScript, JQuery, Node.js, Kafka, HTML5, CSS3, GIT Hub, JSON, D3.JS, Angular 2/4/8, React, GraphQL, GIT, Groovy, DB2, Gradle, Junit, EasyMock, MongoDB, Jenkins, maven, Cloud Services, log4j, Jasmine, Selenium, HttpUnit, SoapUI, EclEmma, Sonar, JQueryUI.

Client: Bremer Bank - St Paul, MN

Nov 2019 –July2020

Role: Sr Java Developer

Responsibilities:

- Used Scrum as development methodology, participated in Daily Scrum meetings, Sprint planning and business planning for the user stories.
- Involved in the web application where we used various modules of spring frame work for Dependency Injection (**DI/IoC**).
- Used djs to show the diagram representation of camel xml route.
- Involved in development of **REST** Web services using **Apache Axis2** to extract client related data from databases.
- Used **JIRA** issue tracker to file the bugs.
- Configured Apache Kafka Consumer and Producer metrics to visualize the Kafka system performance and monitoring.
- Worked in a CI/CD environment with Jenkins, **Maven**, **Ansible**, **AWS** and **Terraform**.
- Implemented Presentation layer using **CSS** Framework, **AngularJS**, **Wire-framing**, and **HTML5**, **Node.js**.
- Involved in writing Oracle **PL/SQL** stored procedures, triggers, views, joins.
- Implemented **JPA** (ORM mapping tool) framework to interact with the database to update, retrieve, insert and delete values effectively.
- Developed **Apache Ant script** to create war/ear file and deployed on the application server.
- Developed a fully functional prototype application using **JavaScript** (jQuery and Backbone.js) and **Bootstrap**, connecting to a **REST**-full server on a different domain using **Node.JS**.
- Full Stack Modern Progressive Web Apps - **ReactJS**, **Redux**, **GraphQL**.
- Configured tiles-**defs.xml** file to configure the presentation views.
- Use GIT to manage branch and commits for versioning.
- Configure JENKIN and **sonar** for dev environment.
- Used **hibernate.config.xml** file to configurations and mapping entries to access database.
- Used **struts-config.xml** file for defining mapping definitions and action forward definitions.
- Utilized the **JQuery**, **AJAX**, and **JavaScript** to render widgets on web pages
- Involved in the development of presentation layer and **GUI** framework using **CSS3** and **HTML5**. Client side validations were done using **JavaScript**.
- Utilized Agile Methodology (**SDLC**) to manage projects.
- Involved in writing Jenkins pipelines which are used to automate the build process.
- Used Jacoco plugin and enforced code coverage of 80%.
- Experience in making the pipelines using **OpenShift** and **Kubernetes** for the microservices architecture.
- All the spring boot based microservices (**RESTFUL API's**) developed with **MongoDB** (NoSQL) as back end database.
- Experience in working version control tools such as **Git**, **GitHub**.
- Expertise in the use of **Java/J2EE** design patterns like singleton, **MVC**, builder and strategy patterns.
- Involved in the creation of exhaustive Junit Unit Test Cases.

Environment: Java 1.7, J2EE, JSP, D3.JS ,Servlets, REST web services, Apache Axis2, Spring 3.0, Hibernate 3.0, XML, XSD, Schema, PL/SQL, Github, Agile methodology, Terraform, Oracle WebLogic 10.0 Server, Oracle 10g, GIT, Apache ANT, Unix, Junit 4.0, AJAX, Eclipse, JavaScript, Kafka, JQuery, Sonar, PL/SQL, JIRA, Angular.js, Mongo DB.

Client: Cummins - Columbus, IN

Jan 2018 - Oct 2019

Role: Java Developer

Responsibilities:

- ☐ Analyzed business requirements, participated in technical design, development and testing of various modules assigned.
- ☐ Used the functionalities to write code in **HTML5/HTML**, **CSS3/CSS**, **JavaScript**, **JQuery**, **Ajax**, **JSON**, and **Bootstrap** with **MongoDB** database as the backend.

- ☐ Used HTML and CSS in the development in front end of the application.
- ☐ Developed GUI using JavaScript, **HTML, DOM, XHTML, CSS** in ongoing projects
- ☐ Responsible to manipulate **HTML5, CSS3** in JQuery as well as making the pages dynamic using AJAX, JSON and XML.
- ☐ Extensively worked on ES5 new features such as Arrow functions, Classes, Iterators and Generators.
- ☐ Developed application pages using **HTML, CSS, Bootstrap, JavaScript** and **jQuery**.
- ☐ Involved in developing a new business application to the layout using Grid orientation model Bootstrap framework.
- ☐ Developed JQuery code using an XML Http Request Adapter to send an **AJAX** request to the server-side code and also implemented a callback function to handle the results.
- ☐ Worked on prototypes for Responsive Web design.
- ☐ Implemented JavaScript source code and embedded nested handling logic using JQuery event handlers and call back functions.
- ☐ Developed the **jQuery** callback functions for implementing asynchronous communication using **AJAX**.
- ☐ Extensively used JQuery UI for screen design and development.
- ☐ Styling pages using CSS3.0 and developed JavaScript for user interfaces.
- ☐ Used CSS Blueprint to create grids and adopt cross browser interactive features and to make the web pages more interactive.
- ☐ Implemented XML parsing code for different application.
- ☐ Created Storyboard & Sprints in Jira, configured Confluence for Project management
- ☐ Monitor and support daily activities of multiple scrum teams to keep process aligned with Agile manifesto. Conduct iteration planning, daily scrums and retrospective.
- ☐ Setup Continuous Integration environment using **Jira, Git** and ant **python**
- ☐ Contracted to serve as the JIRA Systems Administrator for the international JIRA/Confluence infrastructure, including all associated programs, plugins and systems
- ☐ Worked with Java script testing frameworks like **jasmine**.
- ☐ Frequently met with the project manager to review project goals and to create proposals for future developments, researching their fields for **UI** design.
- ☐ Worked with the team of architects, back-end Developers and Sr Front-end Developers to gather requirements and enhance the application functionality and add new features.

Environment: , HTML5, CSS3, jQuery, Bootstrap, Responsive Web Design, AJAX, JQuery, JavaScript, Rest Web Services, Jasmine, Gulp, JIRA, Git, JSON, XML, Eclipse and Windows.

Client: Info Solutions - India

May 2015 – Nov 2017

Role: Software Engineer

Responsibilities:

- ☐ Performed Tool Development using Java and JQuery
- ☐ Developed Data Migration tool using XSLT and Java
- ☐ Used BitBucket repository as version control for source code
- ☐ Developed a tool consuming rest apis of Jenkins and stored the tool results in DB and generated a UI Pages using JSP
- ☐ Developed a UI Project using Bootstrap,HTML,CSS and JQuery and Backend APIS using Java spring Boot.
- ☐ Resolved GIT and Jenkins issues like SSL Issue, JNLP issue and Script issue
- ☐ Involved in various tasks in support of coding and creating web pages using JavaScript/HTML, JavaScript, JSP.
- ☐ Involved in writing of test cases using Junit and Mockito frame work and maintained a branch coverage above 80% which is a mandatory requirement.
- ☐ Used Hibernate 3.0 in data access layer to access and update information in database.
- ☐ Used Hibernate as ORM mapping tool and worked with Hibernate query language(HQL).
- ☐ Integrated spring with Hibernate and made as Spring bean using Hibernate Template.
- ☐ Followed Acceptance Test Driven Development with the help of Cucumber framework where we automated the test execution of each feature we developed.
- ☐ Have Experience in using Github repository to run the Jenkins job for Continues Integration while developing the

applications and posting them in GIT.

- ☐ Extensive use of Docker for developing test cases and performed unit and integration, tested by using JUnit.
- ☐ Used UNIX shell scripts for implementing daily jobs.

Environment: Unix, Cassandra, Jenkins, Shell Scripting, Jenkins, Java, JSP, Spring Boot, HTML, CSS.

Bachelors in Electronics and communication in JNtuk in 2015