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### *Full Stack Software Engineer* Mail Id: [satyakurakula1@gmail.com](mailto:satyakurakula1@gmail.com)

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**7+** years of hands-on strong experience into design, architect, code & test enterprise/web applications. Highly motivated to learn & apply new languages/frameworks/tools etc. Interested in understanding & applying algorithms, data structures to solve problems in different ways.

*Summary*

* 6+ years of exp in RESTful Microservices using TypeScript, JavaScript, Node.js, Express.js.
* 6+ years of building reusable UI components using Vue.js, React.js, bootstrap.
* 6+ years of experience in building complex SQL & NOSQL queries.
* Applied best standards, SOLID principles, design patterns, OOPS concepts.
* Hands-on experience in database design using Mongo, SQL Server.
* Strong knowledge inELK (Elasticsearch, Logstash, Kibana) Stack**.**
* 3+ years of experience in implementing CRON JOBS using python.
* Hands on experience with AWS (EC2, S3, CODEBUILD, LAMBDA), Heroku**.**
* Hands on experience with versioning tool Git, GitHub**.**
* Experience in containerization tools likeDocker and CI usingJenkins**.**
* Experience in load and performance test using loadtest, artillery, Chrome dev tools, JMeter.
* Good communication and analytical skills.
* Managed a team of size:5 engineers & did code reviews.
* Aware of coding in java, go-lang & config/infrastructure using ansible & terraform.

*Experience*

* Senior Software Engineer at FactSet Research Systems from April 2018 - till date.
* Senior Software Engineer at iNDx Technology from Sep 2016 - March 2018.
* Software Developer at Quality Core Systems from Jan 2014 - June 2016.

*Education*

* 2008 - 2012: Got 73% in B. Tech (Computer Science) from JNTU Kakinada.
* 2006 - 2008: Got 79% in Class 12.
* 2005 - 2006: Got 76% in Class 10.

*Project Summary*

**1.Central Logging Platform (Company: FactSet) April 2018 - till date**

**Description:** The CLP is a standardized, reliable, and scalable log archival system intended to accept log messages from many disparate sources and persist them to a unified data store.

* Designed the product's backend architecture to meet the current industry standards.
* Implemented RESTful Microservices & also dependent services like Service Discovery, Circuit Breaker to improve the service availability and to reduce the amount of failures.
* Followed standard design patterns like Singleton, Factory to create service instances and other entity instances/models.
* Used Proxy design pattern to create a common proxy elasticsearch service to connect any es cluster dynamically and to execute complex queries.
* Established a process to write versioned database (MS SQL Server) migration scripts.
* Used Proxy design pattern, NodeJS streams concepts like pipe etc.  to configure & integrate the Kibana application.
* Implemented Reusable UI Components using React.js, Bootstrap and SASS to write & process CSS styles.
* Developed an end-to-end APIKeys management application to create/delete/enable/disable/update the APIKey.
* Configure proper coding standards like naming standards, proper comments, avoiding unnecessary loops, reducing no.of. lines per block, and linting standards to optimize the overall code readability.
* Did code (PR) reviews & shared feedback.
* Used JIRA to proper backlog of tasks, to design stories/tasks/subtasks etc. and to log time.
* Designed & configured Heroku cloud process to deploy microservices dynamically. Continuous Integration/Continuous Delivery (CI/CD) system configured using Jenkins, GitHub, Heroku.
* Implemented Configuration management tasks using ansible to deploy & manage the logstash, beat services. Understand ansible hosts, roles, tasks and using different plugins/modules.
* Limited hands-on experience in deploying AWS Cloud Resources like ec2 instances, lambdas, s3 buckets, roles creation & management using terraform.
* Designed & Implemented and did reviews for background (or CRON) jobs/tasks developed using python, celery - disturbed task queue, Redis, redbeat - scheduler, flower - monitoring tool.
* Always supported team when needed in tough times especially addressing blockers.
* Cloud Migration - Designed a phased plan to migrate the single very large es cluster present in in-house data centres to the AWS cloud. Implemented a tracker & monitoring application to view the overall progress of the migration. Written different scripts & services to get the metrics from the databases and integrated Grafana to view the stats.
* Interaction with the different levels of users/stakeholders to understand/resolve their queries related to product usage and to collect the feedback about product improvements/suggestions etc.

**Environment**: JavaScript, Typescript, Node.js, Sails.js, Vue, React, Bootstrap, SQL Server, ELK Stack, AWS, Heroku, Jenkins

**2.Native Alerting System (Company: FactSet) Jan 2020 – till date**

**Description:** The NAS is designed to provide alerting capabilities over the real-time data/logs.

* Based on the stakeholder requests, provided an initial list of alert types to start with the application design & development.
* Layout backend architecture & design & Implement & maintain RESTful APIs
* Layout frontend application architecture (Component based).
* Design & Implement alert templates & Re-usable UI Components.
* CRON JOBS design & guiding team on How to implement these jobs.
* Code Reviews (Making sure everyone follows best-practices, standards, design patterns etc.)
* Explaining the tasks to team & supporting during development phase
* As a Lead, scheduling daily scrum meetings to follow-up on progress of independent tasks
* Scheduling Retrospective meetings to track the overall progress of monthly, quarterly etc.
* Design notification system

**Environment:** Typescript, Node.js, Express.js, React, Bootstrap, SQL Server, Heroku, Jenkins, Elasticsearch.

**3.iCORE (Company: iNDx) Jan 2014 – Mar 2018**

**Description:** A data Integration and analytics platform to provide a “Dashboard for Clinical Research” in Cancer Immunotherapy. The platform is targeted to enable customer and its partner institutions to collaborate among themselves, integrating all their cancer clinical trial and research centres across the globe. The leading institutions that are expected to use the platform for clinical trials and cancer immunotherapy research are:

* PICI (Parker Institute for Cancer Research Immunotherapy)
* University of Texas, MD Anderson Cancer Centre
* Memorial Sloan Kettering Cancer Centre, Stanford University
* UCLA, UCSF, University of Pennsylvania

**Responsibilities:**

* Implement & maintain required RESTful APIs.
* Involve in all phases of product design, Implementation, test.
* Implement database services & complex queries (persistence layer) to perform different operations.
* Implement various UI components using vue.js, bootstrap, HTML5, CSS3.
* Implement Docker to transport the builds between the team.
* Testing, debugging, troubleshooting and support.

**Environment**: JavaScript, node, express, Vue, mongoose (ODM), bootstrap, docker, GitHub, microservices.

Place: Hyderabad (**K D V S S SWAMY)**