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|  | **Sri Charan Reddy Alugubelly** | **Email:** sy04@gmail.com |
| linkedin.com/in/sy1 | **Full Stack Developer** | **Phone:** +1 1234231232 |

# Career Summary:

A skilled MERN and Java full stack developer with 8.5 years of experience specializing in developing, testing, and deploying robust, scalable, and secure applications. Proficient in AWS and containerizing technologies Docker and Kubernetes. Strong team player, with excellent communication and written skills, consistently achieving project objectives within deadlines.

# Professional Summary:

* Full Stack software Developer with over 8.5 years of experience in building applications using ReactJS, NodejS, ExpressJS, Java and Spring Boot in Microservices Architecture.
* Skilled in Java, JavaScript and Typescript with experience in complete Software Development Life Cycle.
* Strong knowledge of Computer Science fundamentals, Data Structures, Algorithms, and Object-Oriented Programming and Functional Programming.
* Extensive experience in Front-end Application development using HTML5, CSS3, JavaScript (EcmaScript 6), Typescript, jQuery, AJAX for building vibrant UI-friendly, high-performance web applications.
* Used CSS, Bootstrap and Media queries for responsive web design that fits all devices.
* Experienced in using Node Package Management (NPM) to manage JavaScript and Typescript packages.
* Strong experience in designing, developing and Single page applications using JavaScript library React.js and techniques such as Redux, Axios, JSX, Form Validation, HOC, Asynchronous JS, Lodash and react-router.
* Expertise in open-source libraries like redux-thunk to create customized components.
* Experience in testing react applications with Jest and React Testing Library. Experience in developing unit tests, integration tests and end to end testing.
* Expertise in Java concepts like OOPs, Multi-Threading, JUnit and advanced Java concepts like JSP, Servlets, HTML, XML, Hibernate, Java Beans and Spring.
* Expertise in Spring Frameworks including Spring MVC, Spring Boot, Spring Cloud, Spring Data JPA, Spring Batch and Spring Security and strong experience in developing applications with Restful Web Services.
* Diverse experience utilizing tools in Microservices architecture applications using Node.js, Express.js, Docker, Kubernetes, AWS, Rabbit MQ, Kafka, Zookeeper, MongoDB, and Restful Web Services.
* Architected React and Relay-based frontend solution with GraphQL Core API layer for mobile and web clients.
* Developed advanced GraphQL APIs integrated with React applications using features like fragments, aliases, and variables for efficient and dynamic data retrieval and manipulation.
* Experienced in version control tools GIT and Github and ticket tracking platform like JIRA.
* Strong experience in Amazon AWS cloud infrastructure services like EC2, VPC, IAM, RDS, SES, Route53, Cloud Watch, Cloud Front, Elastic Load Balancers (Application and Network Load Balancers).
* Hands-on Experience in cloud computing and implementing Serverless Architecture with Amazon Web Services (AWS) S3, Lambda, Dynamo DB and API Gateway.
* Extensive experience setting up and managing CI/CD pipelines using GitHub, Jenkins, JFrog and AWS CodeDeploy.
* Utilized industry-standard best practices and design patterns, including SOLID principles and DomainDriven Design, to build a high-quality system that meets business needs.

# Technical Skills:

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| Languages | JavaScript, Typescript, Java/J2EE, Python |
| Frontend Technologies & Libraries | ReactJs, Redux, NextJs, NodeJs, Angular, HTML, CSS, Bootstrap, Restful Web Services, RESTful APIs, JSON, GraphQL, Apollo Client |
| AWS Services | EC2, S3, Lambda, Dynamo DB, IAM, ELB, ECS, Cloud Formation, Cloud Watch, RDS, Route 53, Fargate, Elastic Beanstalk |
| Databases | MongoDB, PostgreSQL, Oracle, MySQL, Redis, Cassandra |
| Markup Languages | YML / YAML |
| Development tools | Eclipse, IntelliJ IDEA, VS Code, Atom |
| CI/CD | Git, Jenkins, CodeCommit, CodeDeploy, JFrog |
| Operating systems | Windows, Linux |
| Testing Tools: | Selenium, JUnit, Jest, React Testing Library |
| Software Methodologies: | Agile, Scrum, Waterfall |

**Experience Summary**:

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| **Bank of America| Kansas City, Missouri** | **November 2019 – Present** |
| **Role: Senior Software Developer** |  |

**Description** – As a key member of the Fraud Detection Team, I am responsible to manage and process large volumes of raw data, persist it and present it to the end users in an intuitive, responsive and user-friendly way.

**Skills** – ReactJS, Typescript, ES-6, NodeJS, ExpressJS, Microservices, AWS, Redux, Jenkins, Docker.

**Responsibilities** –

* Developed and designed the entire front-end of the application using React and Redux, including the user interface and user experience.
* Collaborated extensively with cross-functional teams, including Designers, Architects, Product Owners, Product Managers and other back-end developers, to understand the design and requirements.
* Implemented a responsive design for the application, making it accessible across all types of devices, including desktop, mobile, and tablet, using Bootstrap and Material UI.
* Developed RESTful APIs using Node.js and Express, utilizing Swagger/OpenAPI for API documentation and testing.
* Utilized Microservices and decoupled architectures for building RESTful APIs using KOA.
* Improved application performance by optimizing GraphQL queries and mutations, for better user experience.
* Designed flexible and scalable GraphQL schemas for easy addition of new fields and types, and implemented caching strategies to reduce server load using tools such as Apollo Client's cache.
* Worked on Node.is Middleware framework like Express. js and Hapijs and Yoemon, essentially developed microservices and serve them through middleware. Served Client-side libraries through microservice.
* Used GIT as version control and Used Log4J, Winston logging framework to write Log messages with various levels.
* Designed and executed User Acceptance Test (UAT) plans for all the software systems built ensuring comprehensive coverage of functional requirements.
* Coordinated with the QA team to perform system integration testing and ensured smooth integration of various modules of the application.
* Designed and developed the application to be scalable and fault-tolerant, using AWS Elastic Load Balancing (ELB), Auto Scaling, and Amazon Relational Database Service (RDS).
* Implemented various performance optimization techniques, including caching, compression, and lazy loading, using AWS CloudFront and React.
* Utilized Webpack and Babel to transpile and bundle client-side code for production deployment
* Developed caching solutions using Redis and Memcached for high-performance data access and optimization.
* Developed custom plugins and extensions using Java and Node.js for integrations with various third-party systems.
* Implemented OAuth2 authentication for securing API endpoints using Passport.js and JWT tokens and IAM.
* Implemented event-driven architectures using AWS EventBridge, Lambda and DynamoDB for real-time event processing and notification.
* Developed containerized applications using Docker and Kubernetes for deployment of microservices.
* Developed and maintained database schemas and query optimization using MySQL and Oracle (Relatioinal Databases) for efficient data storage and retrieval.
* Conducted code reviews, provided feedback, and ensured adherence to coding standards and best practices.
* Mentored and trained junior developers on the technical stack, best practices, and coding standards.

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| **CVS Health | Dallas, Texas** | **June 2017 – November 2019** |
| **Role: Senior Software Engineer** |  |

**Skills** – ReactJS, Redux, REST APIs, AWS EC2, Lambda, Spring Boot, Microservices, Redis, Kafka, NodeJS, NextJS.

**Responsibilities:**

* Responsible for requirement gathering, analysis, preparation of technical specifications document, design and coding of implementation details.
* Worked on performing CRUD operations, creating RESTful APIs, and utilizing Spring-Data-JPA and JPA Queries to access MySQL and Cassandra databases.
* Worked collaboratively with cross-functional teams, including product owners, developers, and QA engineers, to establish effective testing strategies throughout the software development lifecycle.
* Involved in developing Microservice applications using Spring Boot, Spring Batch, Spring IOC, and Spring Integration. Built reusable, event-driven services based on CQRS design pattern.
* Implemented a 'serverless' architecture using API Gateway, Lambda, and Dynamo DB and deployed AWS Lambda code from Amazon S3 buckets. Created Lambda Deployment functions.
* Implemented a responsive UI that would scale itself depending on the device, platform, and browser, using ReactJS, HTML5, CSS3, and Bootstrap, and Performed client-side validations using JavaScript.
* Implemented React Functional programming and extensively used React hooks including custom hooks.
* Used Redux and Context API for store management and React Router for routing multi-page application.
* Worked on React Libraries like Axios, Jest, React-testing library, form validators, and building the components.
* Worked on NextJS for server-side rendering and increased Search Engine Optimisation.
* Used Axios with ReactJs for making AJAX Calls. Worked on Webpack for build and webpack-dev-server a server.
* Added API versioning for the endpoints and documentation to the endpoints using Swagger as implementation.

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| **Ministry of Finance, Government of India | Hyderabad, India** | **June 2015 – May 2017** |
| **Role: Software Engineer** |  |

**Skills** –React, Java, MongoDB, Spring, Docker, AWS

**Responsibilities** –

* Contributed to a high-impact team that developed an application for managing Income Tax Data of over 200 million registered taxpayers in India with reliability, scalability, and security of the system.
* The project is based on event-driven Microservices architecture with reusable, event-driven modules based on CQRS design pattern.
* Developed Microservices that interact with each other using Rest APIs for synchronous communication and Apache Kafka for Asynchronous Communication.
* Extensively worked in Test Driven Development (TDD) using Junit and Behaviour Driven Development (BDD).
* Implemented a caching layer using Redis in-memory database and thereby reduced the latency.
* Implemented React Functional programming and extensively used React hooks including custom hooks.
* Used Jest and Enzyme for unit and integration testing of React components.
* Built SQL queries using Sequelize ORM on Data Access Object Layer to access MySQL and PostgreSQL databases.

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| **Accenture | Intern | Hyderabad, India** | **Nov 14- May 15** |

**Responsibilities** –

* Implemented new features and fixed issues in existing codebase using Java, Javascript, and Node.js.
* Implemented a search feature for Debouncing and Throttling, allowing users to quickly find relevant products.
* Designed and developed RESTful APIs to interface with various systems and services, including third-party APIs such as Stripe and Google Maps.
* Participated in code reviews, providing feedback to improve code quality, maintainability, and scalability.
* Developed a feature that used memoization to improve performance of frequently called functions.
* Maintained code quality and best practices by adhering to coding standards, following design patterns, and using appropriate tools and techniques.
* Worked with UI/UX designers to ensure that user interfaces were responsive, accessible, and aesthetic.
* Documented software design, development, and testing processes, ensuring accuracy and precision.

**Education:**

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| Bachelor of Engineering, Computer Science, Osmania University, Hyderabad, India June 2011 – May 2015  Master of Science (Online), Computer Science , University of Central Missouri, Jan 2018 – Dec 2018 |

**Licenses & Certifications**

AWS Cloud Practitioner – AWS | 2022