

# Sri Charan Byreddy

Software Engineer

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## SUMMARY

Software Developer with 4+ years of expertise in designing and developing web applications, specializing in modern front-end technologies including **React.js**, **Angular 10+**, **JavaScript (ES6+)**, **TypeScript**, **Redux**, **HTML5**, **CSS3**, **Tailwind CSS**, **Bootstrap**, and **AJAX** to build responsive, scalable, and cross-browser compatible interfaces that deliver exceptional user experiences. Proficient in backend development with **Java**, **Node.js**, **Spring Boot**, **Spring MVC**, **Spring Security**, and **Hibernate (JPA)**, with proven expertise in building secure microservices, API integrations, and managing databases such as **MongoDB**, **MySQL**, and **PostgreSQL**. Skilled in designing and testing RESTful APIs using **Postman**, **Cypress**, and **Jasmine**, as well as deploying applications on **AWS (EC2, Lambda, S3, RDS)** with containerized environments managed via **Docker** and **Kubernetes**. Experienced in CI/CD pipelines using **GitHub Actions** and **Bitbucket**, and Expert in **Agile methodologies**, **Scrum** practices, and tools like **JIRA** for project and sprint management. Knowledgeable in performance monitoring and logging with **ElasticSearch** and **Grafana**, with a strong foundation in **SDLC** principles, **Object-Oriented Programming (OOP)**, and **Data Structures**.

## SKILLS

**Programming Languages & Frameworks:** Java, Spring Boot, Hibernate (JPA), JSP, Python, Node.js, Express.js, FastAPI, RESTful APIs, Microservices, GraphQL  
**Frontend Development:** JavaScript (ES6+), TypeScript, React.js, Next.js, HTML5, CSS3, Tailwind CSS, UI/UX Design, Responsive Web Design  
**Cloud & DevOps:** AWS (EC2, S3, Lambda, RDS), Docker, Kubernetes, Terraform, Jenkins, CI/CD Pipelines  
**Databases & Data Management:** MySQL, PostgreSQL, MongoDB, Redis, Data Modeling, SQL Optimization, Caching (Redis, Memcached)  
**Version Control & Tools:** Git, GitHub, GitLab, Bitbucket  
**Security & API Management:** OAuth2, JWT, Role-Based Access Control (RBAC), API Gateway, Swagger, Postman  
**Testing & Performance:** JUnit, Mockito, Jest, Mocha, Cypress, Selenium, Load Testing, Performance Tuning  
**Agile & Collaboration:** Agile (Scrum/Kanban), JIRA, Confluence, Code Reviews, Sprint Planning, Cross-Functional Teamwork

## PROFESSIONAL EXPERIENCE

<b>CVS Health</b> <b>Software Engineer</b>	<b>Jul 2024 – Present   Tampa, FL</b>
<ul style="list-style-type: none"><li>Enhanced real-time pharmacy order and inventory updates by developing and optimizing <b>RESTful APIs</b> with <b>Java 8</b> and <b>Spring Boot</b>, which reduced synchronization delays by <b>25%</b> and improved stock availability tracking for over <b>1,200</b> retail outlets.</li><li>Improved the security of sensitive prescription and insurance data by implementing <b>Spring Security</b>, <b>OAuth2</b>, and <b>JWT-based validation layers</b>, which prevented unauthorized data exposure and strengthened <b>HIPAA</b> compliance across multiple pharmacy software platforms.</li><li>Boosted pharmacy billing and claims workflows by developing backend modules using <b>Hibernate</b> for database operations and <b>JSP</b> for interfaces, which increased order accuracy by <b>30%</b> and streamlined the management of high-volume prescription queues during peak hours.</li><li>Reduced downtime during software releases by containerizing critical microservices with <b>Docker</b> and orchestrating deployments via <b>Kubernetes</b>, which minimized update-related service interruptions and allowed smooth weekly production rollouts.</li><li>Migrated several high-volume pharmacy processing modules to <b>AWS EC2</b> with <b>S3-based storage and caching</b>, lowering infrastructure expenses by nearly <b>20%</b> per year and ensuring consistent performance during peak prescription refill hours.</li><li>Increased deployment efficiency by configuring and maintaining <b>CI/CD pipelines</b> in <b>Jenkins</b>, automating testing, and reducing manual intervention, which improved delivery speed for seasonal promotions and insurance-related features.</li><li>Performed API performance and load testing using <b>Postman</b> while validating transactional data with <b>PostgreSQL queries</b>, which reduced discrepancies in prescription order tracking by <b>25%</b> across interconnected pharmacy systems.</li></ul>	

<b>Rubix Disruptive Technologies</b> <b>Software Engineer</b>	<b>Sep 2022 – Jul 2023   India</b>
<ul style="list-style-type: none"><li>Architected and optimized <b>React.js</b>-based e-commerce storefronts with <b>HTML5</b>, <b>CSS3</b>, and <b>Bootstrap</b>, enhancing responsiveness and navigation while reducing page load times by <b>35%</b>, ultimately improving the shopping journey for over <b>15,000</b> active monthly users across devices.</li><li>Engineered and maintained scalable <b>Node.js microservices</b> for product catalog, checkout, and cart operations, improving backend data flow and service efficiency while ensuring consistent performance during peak traffic loads, which reduced server response time by <b>28%</b> during large festive campaigns.</li><li>Integrated and secured <b>Razorpay</b> payment gateway using <b>JWT token-based authentication</b> and retry logic, enhancing the payment experience by reducing transaction dropouts and increasing successful payment completions by <b>22%</b> during high-volume sale events.</li><li>Refactored backend workflows by optimizing <b>PostgreSQL queries</b>, indexing, and restructuring database schema design, which improved reporting queries, reduced database latency by <b>30%</b>, and provided faster analytics for inventory and order management.</li><li>Transitioned high-resolution product images, videos, and content assets to <b>AWS S3</b> with <b>CloudFront CDN</b>, improving global content delivery speeds, reducing bandwidth costs, and ensuring seamless performance during heavy flash sales and marketing promotions.</li><li>Designed and maintained <b>CI/CD</b> pipelines with <b>Docker</b> and <b>Kubernetes</b> to automate build and deployment, reducing manual tasks and improving release speed by <b>50%</b>, helping deliver seasonal offers and updates faster with fewer errors.</li><li>Developed personalized product recommendation APIs using <b>RESTful services</b> and <b>React state management</b>, improving user engagement through tailored product suggestions, which increased customer session duration and boosted conversion rates by <b>18%</b>.</li><li>Introduced and configured advanced monitoring with <b>Prometheus</b> and <b>Grafana</b>, enabling real-time system health checks, early anomaly detection, and reducing outage resolution time by <b>33%</b> during unexpected traffic spikes and system failures.</li></ul>	

<b>Hexaware Technologies</b> <b>Junior Software Engineer</b>	<b>Jul 2020 – Aug 2022   India</b>
<ul style="list-style-type: none"><li>Constructed and optimized <b>React</b> and <b>Redux</b>-based financial dashboards with <b>JavaScript (ES6)</b>, <b>Bootstrap</b>, and <b>AJAX</b> for monitoring real-time trading activities, fund transfers, and investment reports, enhancing performance by <b>28%</b> and increasing user engagement across mobile and web platforms.</li><li>Built and maintained <b>RESTful microservices</b> using <b>Java</b> and <b>Spring Boot</b> to streamline payment reconciliation, loan application workflows, and credit scoring services, which reduced transaction processing time by <b>20%</b> and improved overall reliability during peak operations.</li><li>Embedded multiple third-party payment gateways and implemented <b>secure APIs</b> with <b>Spring Security</b>, <b>JWT</b>, and encryption mechanisms, ensuring end-to-end data security, fraud prevention, and compliance with PCI-DSS and ISO security standards.</li><li>Upgraded portfolio analytics and transaction reporting by migrating legacy modules from <b>MySQL</b> to <b>MongoDB</b>, designing optimized schemas and aggregation pipelines that improved query execution time by <b>35%</b> and eliminated reporting discrepancies.</li><li>Optimized complex <b>SQL queries</b> and implemented caching strategies with <b>Redis</b>, designing advanced indexes for high-volume datasets, resulting in a <b>25%</b> boost in performance for real-time investment portfolio and client transaction lookups.</li><li>Automated month-end ledger reconciliation and statement generation tasks using <b>Python scripts</b>, scheduling batch jobs and log cleanups, which streamlined financial reporting processes and reduced manual errors by <b>30%</b>.</li><li>Deployed containerized financial applications using <b>Docker</b> and <b>Kubernetes</b> on <b>AWS EC2</b>, integrating CI/CD pipelines with <b>GitHub Actions</b>, which reduced downtime by <b>40%</b> during high-priority application releases and updates.</li><li>Worked closely with business analysts, QA teams, and stakeholders in an <b>Agile environment</b>, managing sprints, <b>UAT</b> sessions, and release planning with <b>JIRA</b>, which improved on-time delivery of critical features for investment and banking modules.</li></ul>	

## EDUCATION

**Master of Science in Data Science** | University at Buffalo, State University of New York, Buffalo, NY