SRICHARAN REDDY

✆ 937-247-4837|| ✉Gmail|| LinkedIn|| Git Hub|| Portfolio|| Medium

Professional summary

- Over 5 years of professional experience as a **Java Full-Stack Developer**, specializing in developing enterprise-grade, scalable, and high-performing applications.
- Strong expertise in **backend development** using **Java**, **Spring Boot**, **Spring MVC**, and **Hibernate**, with a focus on creating RESTful APIs and microservices.
- Proficient in **frontend technologies** including **React**, **Angular**, **Vue.js**, and **TypeScript**, with expertise in building responsive and dynamic user interfaces using **Bootstrap** and **TailwindCSS**.
- Designed and implemented **microservices-based architectures**, ensuring modularity, scalability, and efficient inter-service communication using **REST**, **gRPC**, and **Kafka**.
- Skilled in **database management**, including schema design, query optimization, and handling large-scale data using **PostgreSQL**, **MySQL**, **MongoDB**, and **Redis**.
- Hands-on experience in developing cloud-native solutions, deploying applications on platforms like **AWS** (EC2, RDS, Lambda), **Azure**, and **Google Cloud Platform (GCP)**.
- Proficient in containerization technologies like **Docker** and orchestration tools like **Kubernetes**, enabling seamless deployment and scalability of applications.
- Automated build, test, and deployment processes using **Jenkins**, **GitLab CI/CD**, and **Terraform**, achieving **50% faster deployment cycles**.
- Implemented **Infrastructure-as-Code (IaC)** with **Terraform** and **Ansible**, ensuring consistency and repeatability in infrastructure provisioning.
- Strong focus on **security** with hands-on experience in implementing **Spring Security**, **JWT**, **OAuth2**, and enforcing **Role-Based Access Control (RBAC)**.
- Experienced in **logging and monitoring** tools like **ELK Stack (Elasticsearch, Logstash, Kibana)**, **Prometheus**, and **Grafana**, ensuring real-time visibility into application performance.
- Built predictive analytics and anomaly detection systems using **TensorFlow** and **Scikit-learn**, leading to a **30% reduction in system downtime**.
- Adept at using Agile methodologies (**Scrum**, **Kanban**) and collaboration tools like **JIRA**, **Confluence**, and **Slack** to deliver high-quality software in iterative cycles.
- Experience in **version control systems** like **Git**, **GitHub**, and **Bitbucket**, ensuring efficient team collaboration and codebase management.
- Familiarity with **DevSecOps practices**, integrating security at every stage of the development lifecycle and conducting vulnerability assessments.
- Optimized system performance by identifying bottlenecks, enhancing caching strategies with **Redis** and **Memcached**, and fine-tuning database queries.
- Successfully developed healthcare-focused platforms, achieving 30% improvement in operational **efficiency** by automating workflows and monitoring systems.
- Contributed to real-time monitoring platforms with data visualizations using **D3.js** and **Chart.js**, providing actionable insights for better decision-making.
- Delivered audit-compliant systems, adhering to **HIPAA**, **GDPR**, and **ISO 27001** standards, ensuring data security and privacy.

- Worked on event-driven architectures with **Apache Kafka** and **RabbitMQ**, enabling asynchronous, real-time data processing and notifications.
- Mentored junior developers, conducted code reviews, and established best practices for clean, maintainable, and scalable codebases.
- Passionate about continuous learning and staying updated with emerging technologies like **GraphQL**, **Serverless Architecture**, and **WebAssembly**.
- Demonstrated strong problem-solving skills and a results-oriented mindset, consistently delivering projects that align with business goals and enhance user experiences.

Technical Skills

Methodologies	Software Development Life Cycle (SDLC), Agile, Waterfall, Scrum, TDD
Programming Languages	C, C++, Java, JavaScript, Python, SQL
Frontend Technologies	HTML5, CSS3, Bootstrap, JSP, AngularJS, NodeJS, ReactJS
Backend Technologies	Spring Framework (Spring Boot, Spring MVC), Hibernate (ORM), J2EE (Servlets, JSP), RESTful APIs, JMS, JDBC, Microservices Architecture.
Messaging and Streaming Systems	Active MQ, JMS, SQS, and Apache Kafka
Database Technologies	MySQL, Postgres, Oracle, DB2, MongoDB
Cloud Technologies	Amazon Web Services (AWS EC2, S3, SQS, Lambda, API Gateway, CloudFormation), Microsoft Azure, Google Cloud Platform (GCP)
Containerization and Orchestration. CI/CD	Docker, Kubernetes, Jenkins, GitLab
Version Control Tools	Git, GitHub
APIDocumentation and Testing Tools	JUnit, Mockito, Selenium
Code Quality and Monitoring	Prometheus, Grafana, Log4J
Development Tools and IDEs	Eclipse, Visual Studio Code, Spring Tool Suite(STS), PyCharm, Anaconda
Design Patterns and Architectural Styles	MVC, Microservices, Serverless Architecture
Web Services	RESTful APIs, SOAP, API Gateway, Swagger, GraphQL

Other	XML, JSON, Design Patterns, Linux/Unix

Professional Experience:

Client: Guide well source, Jacksonville, FL **Feb 2024 – Present**
Role: Java Full Stack Developer
Responsibilities:

- Developed end-to-end solutions for healthcare applications using **Java, Spring Boot, and Microservices Architecture**, enabling seamless management of sensitive healthcare data and improving system efficiency in compliance with **HIPAA regulations.**
- Built and optimized RESTful **APIs using Spring Boot** for communication between backend services and frontend systems, ensuring secure and high-performance data exchange in the healthcare domain.
- Integrated **Angular and Material Design** to design responsive user interfaces (UI) for healthcare management platforms, enhancing user experience for healthcare professionals and patients.
- Implemented role-based access control **(RBAC) and OAuth2** security mechanisms in the backend using **Spring Security** to protect patient data and ensure authorized access to critical healthcare services.
- Designed and optimized PostgreSQL **database schemas**, ensuring efficient query processing and data management for healthcare data such as patient records, claims, and insurance policies.
- **Utilized Docker** to containerize healthcare microservices, ensuring portability and consistency across various environments for efficient healthcare application deployment.
- Orchestrated containerized services with **Kubernetes**, enabling auto-scaling, self-healing, and high availability for mission-critical healthcare applications.
- Developed **real-time monitoring** capabilities with **Prometheus and Grafana**, providing real-time insights into healthcare system performance and enabling proactive issue resolution.
- Automated **CI/CD pipelines** using **Jenkins and GitHub Actions**, streamlining build, test, and deployment processes for faster, more reliable healthcare software delivery.
- Collaborated closely with **DevOps** teams to deploy, monitor, and manage the application in cloud environments such as **AWS and Azure**, ensuring compliance with healthcare data privacy standards.
- Integrated Elasticsearch to enable fast and efficient searching of large datasets, including patient records and insurance claims, improving data retrieval times for healthcare providers.
- Employed **RabbitMQ and Kafka** for asynchronous messaging between distributed services, optimizing communication and improving overall system performance in the healthcare environment.
- Ensured data security and HIPAA compliance by implementing data encryption, **secure API** authentication, and secure data transmission protocols.
- Built interactive real-time dashboards with **Angular and D3.js,** providing healthcare professionals with dynamic visualizations of patient data, claims statuses, and other critical health metrics.
- Participated in **Agile Scrum** development cycles, including sprint planning, stand-ups, and retrospectives, delivering healthcare-related features iteratively while maintaining high-quality code.
- Conducted unit testing and followed **Test-Driven Development (TDD)** best practices to ensure the development of reliable, maintainable, and secure healthcare applications.

Client: Fannie Mae, Reston, VA **Feb 2023– Jan 2024**
Role: Full Stack Java Developer
Responsibilities:

- Developed and deployed a policy management system using **Java** and **Spring Boot**, enhancing operational efficiency by automating the policy lifecycle, claims processing, and underwriting workflows for insurance teams.
- Designed and implemented RESTful **APIs** with **Spring Boot** to facilitate secure data exchange between the frontend (Angular) and backend services, supporting insurance claims, policyholder data, and transaction processing.
- Integrated Angular with Material Design to create a responsive, user-friendly interface for policyholders, agents, and underwriters, providing intuitive navigation for viewing policy details, claims status, and premium information.
- Implemented role-based access control **(RBAC)** and OAuth2 using Spring Security, securing access to sensitive insurance data and ensuring compliance with data privacy regulations such as GDPR and SOC 2.
- Optimized PostgreSQL database schemas and implemented complex queries, improving the speed and reliability of policy retrieval, claim processing, and risk management calculations in a large-scale insurance system.
- Containerized microservices using **Docker**, enabling consistent and isolated deployments of policy management and claims services, improving the portability and scalability of insurance applications across environments.
- Orchestrated backend services with **Kubernetes**, ensuring high availability and fault tolerance for critical insurance systems, including policy administration, claims processing, and underwriting.
- Developed real-time dashboards using **Angular** and **D3.js**, allowing users to visualize key insurance metrics, such as policyholder data, claims processing performance, and underwriting risk assessments.
- Integrated **Elasticsearch** for enhanced search capabilities, enabling fast and efficient queries for policyholders' claims, historical data, and underwriting records across a distributed system.
- Automated CI/CD pipelines with **Jenkins and GitHub** Actions, streamlining the deployment process for insurance application updates and ensuring quick, reliable rollouts with minimal downtime.
- Implemented asynchronous messaging with **RabbitMQ and Kafka,** improving data communication and integration between various insurance services, such as claims management and risk analysis.
- Monitored system performance with Prometheus and Grafana, providing real-time insights into key application metrics like uptime, service health, and data processing performance, enabling proactive issue resolution.
- Ensured data privacy and security by implementing SSL encryption, API authentication, and adhering to industry standards for protecting sensitive insurance data in compliance with **HIPAA and SOX.**
- Collaborated with cross-functional teams using **Agile methodology**, participating in sprint planning, code reviews, and retrospectives to deliver new features and improvements iteratively for the insurance platform.
- Conducted unit and integration testing using **JUnit** and **Mockito,** ensuring high-quality, stable code for all components of the insurance platform, from backend services to the frontend user interface.

Client: NTT DATA, Bangalore, India **Jul 2021 – Nov 2022**
Role: Software Developer
Responsibilities:

- Developed end-to-end solutions for client applications by leveraging Java**, Spring Boot,** and Microservices Architecture to improve system scalability and performance, delivering high-quality enterprise solutions for clients.
- Designed and implemented RESTful APIs using **Spring Boot** for smooth integration between back-end services and front-end components, ensuring efficient data flow and real-time processing for web applications.
- Integrated Angular with Material Design to create responsive user interfaces (UI**)** for client-facing portals, enabling intuitive navigation and enhancing user experience for customers and internal users.
- Implemented user authentication and authorization features using Spring Security and OAuth2 to ensure secure access to sensitive data and improve system security for enterprise applications.
- Optimized database performance by designing efficient **SQL** queries and database schemas in **PostgreSQL** to handle large volumes of data, enabling fast retrieval and manipulation of records for web applications.
- Containerized microservices using Docker for easy deployment, improving portability, and ensuring consistency across different environments (development, staging, production).
- Managed application deployment and orchestration using **Kubernetes**, ensuring high availability, fault tolerance, and auto-scaling for microservices-based applications in production environments.
- Created real-time data visualizations and interactive dashboards using **D3.js and Angular,** providing critical insights and analytics for enterprise applications, improving decision-making for business users.
- Collaborated with DevOps teams to set up CI/CD pipelines with Jenkins and GitHub Actions, automating the build, test, and deployment workflows, ensuring faster releases and higher software quality.
- Implemented asynchronous messaging using **RabbitMQ and Kafka** to decouple services and improve communication between distributed systems, ensuring high performance and reliability.
- Monitored application health using Prometheus and Grafana, gathering metrics and performance data to optimize the backend and ensure reliable operation of mission-critical systems.
- Developed and maintained unit tests using JUnit and Mockito, ensuring robust**,** maintainable, and secure code for both back-end services and front-end components.
- Participated in **Agile development** cycles with cross-functional teams, attending daily stand-ups, sprint planning, and retrospectives, delivering high-quality features and enhancements iteratively.
- Worked closely with UI/UX designers to ensure seamless integration between front-end and back-end, maintaining a consistent and user-friendly experience across all devices and platforms.
- Optimized front-end performance by reducing load times and improving responsiveness **using RxJS** and WebSockets for real-time updates, enhancing the overall user experience for web applications.

Client: cyient, Hyderabad, India **Mar 2019 - Jun 2021**
Role: Intern software developer
Responsibilities:

- Designed and developed enterprise-level solutions using **Java, Spring Boot,** and Microservices Architecture, enabling efficient and scalable systems for Cyient's clients across industries.
- Developed RESTful APIs with **Spring Boot** for seamless communication between back-end services and front-end applications, ensuring smooth data flow and integration.
- Integrated Angular with Material Design to develop intuitive, responsive user interfaces (UI), providing seamless experiences for end users on both web and mobile platforms.
- Implemented role-based access control (RBAC) using Spring Security and OAuth2, ensuring secure access to sensitive data and enhancing system security in enterprise applications.
- Optimized SQL queries and database designs for PostgreSQL, improving performance and scalability to handle large-scale data in business-critical applications.
- Containerized microservices using Docker, enabling easy deployment across environments and improving the reliability of production systems for end users.
- Managed microservices orchestration with Kubernetes, ensuring auto-scaling, self-healing, and high availability of applications to support Cyient's growing user base.
- Created real-time data visualizations with D3.js and Angular**,** providing critical insights and reports on business operations, increasing decision-making efficiency.
- Developed and optimized CI/CD pipelines using Jenkins and GitHub Actions**,** automating the build, test, and deployment processes to ensure faster and more reliable software delivery.
- Implemented asynchronous messaging using **RabbitMQ and Kafka,** improving system reliability and decoupling microservices for better communication across distributed systems.
- Monitored application performance using Prometheus and Grafana, collecting and analyzing metrics to optimize back-end processes and ensure application stability.
- Implemented unit and integration tests using **JUnit and Mockito**, maintaining high-quality code for both front-end and back-end components, ensuring consistent and secure application behavior.
- Collaborated in Agile sprints, actively participating in daily stand-ups, sprint planning, and retrospectives, and delivering high-quality features in a fast-paced development environment.
- Enhanced front-end performance using WebSockets and RxJS, implementing real-time data updates and improving the responsiveness of user interfaces in business applications.

Education:

Master of Science, Computer Science |University of Dayton, USA