## **CHANDINI RAYADURGAM**

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[**GitHub**](https://github.com/chandinirayadurgam)**,**

**PROFESSIONAL SUMMARY**

* Highly skilled Java Full Stack Developer with **7+** years of experience in **designing**, **developing**, and **deploying** enterprise-grade web applications and distributed systems
* Proficient in backend development with **Java (17+)**, **Spring Boot (3)**, and **hibernate**, and experienced in frontend frameworks like **React** and **Angular (9+)**, delivering robust, scalable, and user-friendly solutions
* Expertise in building microservices-based architectures, implementing **RESTful APIs**, and optimizing performance through advanced caching strategies (**Redis**, **Ehcache**)
* Proficient in **Spring** frameworks including **Spring MVC, Spring IOC, Spring REST, Spring AOP, Spring Transaction Management, Spring Data, Spring DAO, Spring Batch, Spring Security**, and **Spring Boot**
* Extensive knowledge of cloud platforms (**AWS**, **Azure**) with hands-on experience deploying applications, managing infrastructure, and ensuring scalability and cost-efficiency
* Experienced with **AWS** services including **EC2, S3, RDS, ELB, EBS, Code Pipeline, Code Build**, and **Code Deploy** for continuous integration and deployment
* Skilled in modern **DevOps practices**, including **CI/CD** pipeline automation using **Jenkins**, **GitHub Actions**, and **Docker**, ensuring rapid and reliable software delivery
* Strong focus on application security, implementing protocols like **OAuth 2.0**, **JWT**, and conducting vulnerability assessments to maintain data integrity and compliance with regulations like **HIPAA**
* Experienced in database management (**MySQL**, **PostgreSQL**, **MongoDB**), optimizing queries, and ensuring high availability of data across systems
* Adept at developing responsive SPAs using **ReactJS**, **Angular**, **JavaScript (ES6+)**, and **TypeScript**, ensuring seamless user experiences across devices
* Proficient in container orchestration using **Kubernetes** and **Docker** to manage and deploy scalable applications
* Demonstrated leadership in mentoring junior developers, conducting code reviews, and promoting best practices in clean code and **TDD**
* Collaborative team player experienced in **Agile/Scrum** methodologies, working with cross-functional teams to deliver high-quality software solutions aligned with business goals
* Skilled in monitoring application performance and ensuring reliability using tools like **Datadog**, **Grafana**, and **Spring Boot Actuator**
* Integrated Apache **Kafka** for building distributed, real-time data streaming applications, ensuring reliable communication between **microservices**
* Proficient in logging system activities using **Log4J** and **SLF4J** and experienced in configuring applications on servers like **Apache Tomcat, JBoss, IBM WebSphere**, and **WebLogic**
* Exceptional problem-solving skills with a strong focus on system optimization, resulting in enhanced efficiency and reduced downtime across projects

**PROFESSIONAL EXPERIENCE**

**CVS HEALTH**,Senior Java Full Stack Developer Aug 2022 – Present

**Project:** Healthcare Management Portal

**Project Description:** Developed a secure, HIPAA-compliant healthcare management portal to optimize patient data management, appointment scheduling, and communication with healthcare providers, improving operational efficiency and user experience

**Responsibilities:**

* Designed and developed scalable backend services using **Java 17**, **Spring Boot**, and **RESTful APIs** to handle high-volume traffic with low latency
* Created dynamic, responsive, and accessible frontend interfaces using **Angular 15**, **ReactJS**, **Bootstrap**, and **HTML5/CSS3**, ensuring seamless user experience across devices
* Optimized application performance with advanced caching strategies using **Redis**, **Memcached**, and **Ehcache**, reducing response times by 40%
* Migrated legacy monolithic applications to a **microservices architecture** using **Spring Boot**, **Spring Cloud** (Eureka, Config Server, Hystrix), and **Kubernetes**, enabling scalability and resilience
* Architected database solutions with **MySQL**, **PostgreSQL**, and **ElasticSearch**, including complex queries, stored procedures, and performance tuning for advanced search capabilities
* Implemented **GraphQL APIs** for efficient data fetching and reduced payload sizes, improving frontend performance
* Enhanced application security by implementing robust measures like **JWT**, **OAuth 2.0**, **RBAC**, and encryption to ensure HIPAA compliance
* Deployed and managed containerized microservices with **Docker**, orchestrating deployments via **Kubernetes** and automating scaling with **Helm charts**
* Automated CI/CD pipelines using **Jenkins**, **GitHub Actions**, and **Azure DevOps**, incorporating tools like **SonarQube** for code quality checks
* Configured logging, monitoring, and alerting systems using **Datadog**, **Grafana**, **Prometheus**, and **Log4j 2**, ensuring high system uptime and reliability
* Implemented asynchronous communication with **Apache Kafka** and **WebSockets** for real-time messaging and updates between microservices
* Designed serverless functions using **AWS Lambda** for specific event-driven workloads and managed cloud resources with **Terraform** and **CloudFormation**
* Conducted performance benchmarking and tuning using tools like **Apache JMeter**, **Gatling**, and **JProfiler**, achieving a 30% increase in throughput
* Partnered with UI/UX teams to design user-centric features and conducted usability testing to gather feedback for iterative improvements
* Mentored junior developers on best practices, including code quality, design patterns, and modern software development methodologies
* Actively participated in Agile ceremonies, including sprint planning, retrospectives, and daily stand-ups, ensuring timely delivery of project milestones

**Environment**: Java 17, Kotlin, Spring Boot, Spring Cloud, GraphQL, RESTful APIs, JPA, Hibernate, WebFlux, Spring Security, Microservices, Angular 15, ReactJS, TypeScript, Redux, WebSockets, PostgreSQL, ElasticSearch, Redis, Cassandra, Docker, Kubernetes, Terraform, AWS, Azure, Jenkins, GitHub Actions, Azure DevOps, SonarQube, JUnit, Mockito, Cypress, Prometheus, Grafana, Datadog, Log4j 2, Agile, TDD, BDD

**FISERV**, Java Full Stack Developer Oct 2020 - July 2022

**Project:** Payment Processing Platform **Project Description:** Designed and implemented a scalable payment processing platform capable of handling over 1 million transactions daily, ensuring zero downtime and seamless customer experiences

**Responsibilities:**

* Designed and implemented scalable **microservices** using **Spring Boot**, enabling high availability and low-latency transaction processing for a payment platform
* Developed **RESTful APIs** and ensured efficient communication between services, following **MVC** and **Domain-Driven Design (DDD)** principles for better modularity
* Enhanced the platform's messaging system using **Apache Kafka** for asynchronous communication, enabling real-time updates and improved system performance
* Led the migration of legacy systems to **cloud platforms**, utilizing **AWS** services and **Kubernetes** for container orchestration, ensuring scalability and cost efficiency
* Strengthened system security by implementing **OAuth 2.0** for authentication and authorization, conducting penetration tests, and mitigating vulnerabilities to reduce security risks by 30%
* Developed reusable **React.js components** with **Redux** for global state management, ensuring dynamic and modular frontend interfaces
* Utilized **React Context** to manage application-wide state, improving developer efficiency and reducing boilerplate code
* Implemented **serverless architecture** using **AWS Lambda** for event-driven workloads, reducing infrastructure costs
* Designed and optimized **PostgreSQL** and **MySQL** schemas to align with business requirements, improving database query performance
* Configured **Spring Cloud** components, including **Eureka**, **Config Server**, and **Hystrix**, to support a distributed microservices architecture
* Integrated **Kotlin** for improved backend development efficiency, leveraging its concise syntax and interoperability with Java
* Automated deployments and CI/CD pipelines using **Jenkins**, **Terraform**, and **GitHub Actions**, reducing manual intervention and deployment time by 50%
* Utilized **Docker** for containerizing microservices and **Kubernetes** for orchestrating multi-container applications, ensuring fault tolerance and scalability
* Configured **Prometheus** and **Grafana** dashboards for monitoring application performance, uptime, and metrics, enhancing system observability
* Designed asynchronous processing systems using **AWS SQS** and **SNS** for reliable and scalable message delivery
* Implemented **Redis** for caching frequently accessed data, improving system performance and reducing database load
* Conducted detailed performance benchmarking and load testing using tools like **Apache JMeter** to ensure system stability during high traffic surges
* Created and maintained unit and integration tests using **JUnit**, **Mockito**, and **Cypress**, ensuring high test coverage and adherence to **TDD** principles
* Improved backend logic using **Java 8+** features, such as **Streams** and **Lambda Expressions**, to optimize code readability and performance
* Developed real-time communication features using **WebSockets**, ensuring instant updates in payment status and transaction tracking
* Collaborated with cross-functional teams, including UI/UX, QA, and DevOps, to deliver seamless features aligned with business requirements
* Mentored junior developers in best practices for coding standards, design patterns, and modern development methodologies

**Environment**: Java 17, Spring Boot, Spring Cloud, Spring Security, Kotlin, JPA, Hibernate, RESTful APIs, WebSockets, DDD, MVC, Apache Kafka, React.js, Redux, React Context, TypeScript, PostgreSQL, MySQL, Redis, AWS (Lambda, EC2, S3, RDS, SQS, SNS), Kubernetes, Docker, Helm, Jenkins, GitHub Actions, Terraform, Prometheus, Grafana, SonarQube, OAuth 2.0, Penetration Testing, JUnit, Mockito, Cypress, Apache JMeter

**TREK BIKES**, Java Full Stack Developer April 2018 - Sept 2020

**Project:** E-commerce Platform Enhancement  
**Project Description:** Enhanced Trek Bikes’ e-commerce platform to optimize user experience, improve backend performance, and streamline deployment processes

**Responsibilities:**

* Played a pivotal role in enhancing the company’s **e-commerce platform** by developing reusable **React components**, improving frontend modularity and maintainability
* Designed and developed **dynamic user interfaces** using **React JS** with **Redux** for managing global state, ensuring consistency across the app
* Improved **user experience** by optimizing frontend rendering and minimizing unnecessary re-renders through efficient state management and memoization techniques
* Implemented **error handling** in **RESTful services** to provide appropriate HTTP responses and error codes, improving API reliability and ease of troubleshooting
* Optimized backend services using **Spring Boot**, resulting in faster data processing and improved overall system performance
* Integrated **Spring Data JPA** for efficient database interactions and **Spring Security** to ensure secure user authentication and authorization
* Enhanced **database performance** by conducting query optimization, implementing indexing strategies, and analyzing execution plans, leading to a 50% reduction in page load times
* Used **React JS** for templating, enabling faster compilation and more efficient component-based development
* Streamlined **CI/CD pipelines** using **Jenkins** and **GitHub Actions**, automating deployment processes and reducing deployment times by 25%
* Participated in code reviews and worked with cross-functional teams to ensure best practices were followed in **code quality** and **design patterns**
* Implemented **unit and integration tests** using **JUnit** and **Mockito**, ensuring high test coverage and system stability
* Collaborated with **DevOps** to implement infrastructure automation, making use of **Docker** for containerization and smooth integration with the CI/CD pipeline
* Worked with product managers and UI/UX designers to align technical features with business requirements, ensuring smooth delivery of features

**Environment**: Java 11, Spring Boot, Spring Data JPA, Spring Security, RESTful APIs, React.js, Redux, React Hooks, JSX, HTML5, CSS3, Bootstrap, MySQL, PostgreSQL, Spring Data JPA, Jenkins, GitHub Actions, Docker, JUnit, Mockito, Postman, Cypress, Database Query Optimization, Indexing Strategies, Memoization

**MINDMADE TECHNOLOGIES**, Java Full Stack Developer Intern June 2016 - March 2018

**Project:** Client-Facing Web Applications & Data Dashboards  
**Project Description:** Developed web applications and interactive data dashboards for clients, enhancing business decision-making and contributing to cloud migration initiatives.

**Responsibilities:**

* Contributed to the development of **client-facing web applications** using **Java** (Spring MVC) and **Angular**, delivering **customized solutions** tailored to meet diverse business needs
* Designed and implemented **interactive dashboards** and **data reports** using **Angular** and **JavaScript**, enabling clients to visualize key business metrics and make data-driven decisions
* Assisted in the **migration of legacy applications** to **Azure cloud**, improving scalability, flexibility, and reducing infrastructure costs by 20%
* Collaborated with senior developers to implement **best practices** in **code design**, ensuring maintainable, scalable, and high-quality software
* Gained hands-on experience with **agile methodologies** (Scrum/Kanban) by participating in daily stand-ups, sprint planning, and retrospectives
* Participated in full **software lifecycle management**, from requirement gathering to design, development, testing, and deployment
* Developed **dynamic forms** and **user interfaces** in **Angular**, implementing user event handling and **client-side validation** for enhanced usability and performance
* Assisted in integrating **RESTful APIs** to ensure seamless communication between frontend and backend components
* Conducted basic **unit testing** and **debugging** to ensure code quality and reduce the frequency of issues in production
* Worked with **version control tools** such as **Git** to manage and maintain code repositories effectively
* Participated in documentation of software functionality and business processes to ensure easy onboarding of new developers and stakeholders

**Environment**: Java, Spring MVC, RESTful APIs, Angular, JavaScript, HTML5, CSS3, Microsoft Azure, Git, JUnit, Postman (Basic level), Scrum, Kanban

**SKILLS**

**Programming Languages:** Java (17+), JavaScript (ES6+), TypeScript, Kotlin, Python, R

**Frontend Technologies:** ReactJS, Angular 15, Redux, React Hooks, Bootstrap, HTML5, CSS3, TypeScript, jQuery, Backbone.js, Node.js, JSX

**Backend Technologies:** Spring Boot, Spring MVC, Spring Data JPA, Hibernate, Microservices Architecture, RESTful APIs, GraphQL, SOAP, Spring Security, Spring AOP, Spring Batch, Spring WebFlux, Domain-Driven Design (DDD), Spring Cloud (Eureka, Config Server, Hystrix)

**Database Management:** MySQL, PostgreSQL, MongoDB, Cassandra, Redis, ElasticSearch, Memcached

**Cloud Platforms & Services:** AWS (EC2, S3, Lambda, RDS, SQS, SNS, EKS, ECS, ELB, EBS, CodePipeline, CodeBuild, CodeDeploy, IAM, CloudWatch, DynamoDB), Azure (App Services, Azure Kubernetes Service, Blob Storage, Azure Functions), terraform, CloudFormation

**DevOps & CI/CD:** Docker, Kubernetes, Helm, Jenkins, GitHub Actions, Azure DevOps, SonarQube, Prometheus, Grafana, Terraform, Git, Bitbucket, SVN, CVS

**Messaging & Event-Driven Systems:** Apache Kafka, RabbitMQ, AWS SQS, AWS SNS, WebSockets

**Testing Tools & Frameworks:** JUnit, Mockito, Postman, Cypress, Selenium, Jest, Apache JMeter, Gatling

**Security:** OAuth 2.0, JWT, RBAC, Penetration Testing, HIPAA Compliance

**Version Control:** Git, GitHub, Bitbucket, SVN, CVS

**Monitoring & Logging:** Datadog, Prometheus, Grafana, Zipkin, Sleuth, Log4J 2, Spring Boot Actuator

**Agile Methodologies:** Scrum, Kanban, TDD, BDD, CI/CD, Design Patterns

**Other Technologies:** Swagger Hub, MQTT, Apache Tomcat, JBoss, WebLogic, IBM WebSphere, Spring Boot Actuator

**EDUCATION**

**STEVENS INSTITUTE OF TECHNOLOGY**

Masters of Science, Computer Science and Engineering Jan 2023 - May 2024

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**

Bachelors of Technology, Computer Science and Engineering

**CERTIFICATIONS**

* Microsoft Certified: Azure Fundamentals (**AZ-900**)
* Microsoft Certified: Azure Administrator Associate (**AZ-103**)
* Microsoft Certified: Azure DevOps Engineer Expert (**AZ-400**)
* Certification in **R** Programming – Johns Hopkins University