**YOGIRAM KOTAPARTHI**

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**Professional Summary:**

* Over 8 years of proven experience as a **Java Full Stack Developer** delivering scalable, maintainable, and secure web applications in **healthcare**, **banking**, **automotive**, and **enterprise** sectors.
* Expert in **Java (8, 11, 17)** with advanced knowledge of **Spring Boot**, **Spring MVC**, **Spring Security**, **Hibernate**, and **JPA** for backend development and microservices.
* Designed and implemented **RESTful APIs** with best practices, ensuring seamless integration with frontend and third-party services.
* Secured applications using **OAuth 2.0**, **JWT**, and **Spring Security** to enforce authentication and authorization policies.
* Developed highly responsive and dynamic user interfaces with **ReactJS**, **Angular (6 to 12)**, **Redux**, **TypeScript**, **HTML5**, **CSS3**, **Bootstrap**, and **Tailwind CSS**.
* Skilled in **database design**, query optimization, and writing complex **SQL** and **PL/SQL** queries on **PostgreSQL**, **MySQL**, **Oracle**, **DB2**, and **MongoDB**.
* Proficient in implementing **microservices architecture** with containerized deployment using **Docker** and orchestration via **Kubernetes** and **Helm**.
* Experienced in building and managing **CI/CD pipelines** using **Jenkins**, **GitHub Actions**, **GitLab CI**, and **Maven** for automated testing and deployment.
* Integrated asynchronous messaging systems with **Apache Kafka**, **JMS**, **ActiveMQ**, and **AWS SQS** to enable scalable, event-driven communication.
* Applied **Test-Driven Development (TDD)** practices using **JUnit 5** and **Mockito**, achieving robust test coverage and reducing defects.
* Automated frontend and API testing using **Selenium**, **Postman**, and performance testing with **JMeter** to ensure reliability.
* Configured monitoring and alerting solutions using the **ELK Stack (Elasticsearch, Logstash, Kibana)**, **Prometheus**, and **Grafana** for proactive incident management.
* Utilized version control tools including **Git**, **GitHub**, **GitLab**, **Bitbucket**, and **SVN** within Agile Scrum teams for efficient collaboration.
* Participated in Agile ceremonies like **Sprint Planning**, **Daily Standups**, **Retrospectives**, and **Backlog Grooming** using **JIRA** and **Confluence**.
* Deployed and maintained enterprise applications on **Apache Tomcat** and **JBoss**, ensuring high availability and performance.
* Conducted detailed **code reviews** enforcing clean code, design patterns (MVC, DAO, Singleton), and SOLID principles to maintain code quality.
* Mentored junior developers, leading technical discussions and driving continuous learning and best practice adoption.
* Migrated monolithic systems to **microservices**, improving modularity, scalability, and deployment velocity.
* Implemented **feature flagging** frameworks enabling gradual rollouts and quick feature toggling.
* Leveraged **GraphQL** for efficient client-side data fetching and bandwidth optimization.
* Managed database versioning and migrations with **Liquibase** and **Flyway**, ensuring smooth production upgrades.
* Collaborated with UI/UX teams to deliver **accessible**, **mobile-first** designs adhering to modern web standards.
* Tuned JVM performance and optimized garbage collection settings for enhanced backend efficiency during peak loads.
* Developed secure software solutions compliant with **HIPAA**, **PCI-DSS**, **SOX**, and other regulatory standards.
* Automated cloud infrastructure provisioning with **AWS CloudFormation**, ensuring consistent and scalable deployments.
* Deployed applications and managed services on **AWS (EC2, S3, Lambda, API Gateway)**, **Azure**, and **Google Cloud Platform (GCP)**.
* Integrated third-party APIs and external systems securely, ensuring data privacy and compliance.
* Utilized logging frameworks like **Log4J** and monitoring tools to maintain production system health and quickly troubleshoot issues.
* Demonstrated strong communication skills, collaborating effectively across **cross-functional teams** including product management, QA, and DevOps.
* Continuously researched and adopted emerging tools and frameworks to improve application **performance**, **security**, and **maintainability**.

**Technical Skills**

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| **Methodologies** | Agile (Scrum, Kanban), Software Development Life Cycle (SDLC), Waterfall, Test-Driven Development (TDD) |
| **Programming Languages** | Java (8, 11, 17), JavaScript, TypeScript, SQL, C, C++, Python |
| **Frontend Technologies** | HTML5, CSS3, Bootstrap, Tailwind CSS, JSP, ReactJS, Redux, AngularJS, Angular 6/12, NodeJS |
| **Backend Technologies** | Spring Framework (Spring Boot, Spring MVC, Spring Security, Spring Data JPA), Hibernate (ORM), J2EE (Servlets, JSP), RESTful APIs, Microservices Architecture, JMS, JDBC |
| **Messaging and Streaming Systems** | Apache Kafka, JMS, ActiveMQ, AWS SQS |
| **Database Technologies** | PostgreSQL, MySQL, 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, Helm, Jenkins, GitHub Actions, GitLab CI, Maven |
| **Version Control Tools** | Git, GitHub, GitLab, Bitbucket, SVN |
| **APIDocumentation and Testing Tools** | JUnit 4/5, Mockito, Selenium, Postman, JMeter, Swagger (OpenAPI) |
| **Code Quality and Monitoring** | SonarQube, ELK Stack (Elasticsearch, Logstash, Kibana), Prometheus, Grafana, Log4J |
| **Security and Authentication** | OAuth 2.0, JWT (JSON Web Tokens), Spring Security, TLS/SSL |
| **Development Tools and IDEs** | IntelliJ IDEA, Eclipse, Spring Tool Suite (STS), Visual Studio Code, PyCharm, Anaconda |
| **Design Patterns and Architectural Styles** | MVC, Microservices, Serverless Architecture, DAO, Singleton, Factory, Observer |
| **Web Services** | RESTful APIs, SOAP, Swagger, API Gateway, GraphQL |
| **Other** | XML, JSON, Design Patterns, Linux/Unix, Apache Tomcat, JIRA, Confluence |

**Professional Experience:**

**Client: Ford Motor Company, Michigan, USA Dec 2024 – Present**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Developed scalable and fault-tolerant backend microservices with **Java 17** and **Spring Boot**, supporting critical automotive business processes.
* Created dynamic and responsive user interfaces using **ReactJS** and **TypeScript**, improving driver and dealer portal usability.
* Designed and integrated **RESTful APIs** to enable efficient data exchange between vehicle systems, backend services, and frontend applications.
* Implemented secure authentication and authorization mechanisms using **Spring Security**, **OAuth 2.0**, and **JWT**, safeguarding sensitive vehicle and customer data.
* Optimized complex queries and database schemas in **PostgreSQL**, reducing data retrieval latency and improving application responsiveness.
* Maintained high test coverage by developing unit and integration tests using **JUnit 5** and **Mockito**, minimizing production defects.
* Utilized **Docker** to containerize microservices and managed orchestration through **Kubernetes**, ensuring high availability and scalability.
* Integrated **Apache Kafka** for real-time streaming and asynchronous communication, enhancing telemetry data processing capabilities.
* Configured centralized logging, monitoring, and alerting using the **ELK Stack (Elasticsearch, Logstash, Kibana)**, streamlining incident diagnosis.
* Applied frontend performance improvements such as code splitting and lazy loading in **ReactJS**, resulting in faster page load times.
* Developed reusable and maintainable frontend components using **React Hooks** and modular design patterns.
* Automated batch processing with **Spring Batch**, efficiently handling large-scale data synchronization between vehicle and backend systems.
* Leveraged **Spring AOP** to standardize exception handling and logging across distributed microservices.
* Led the migration from monolithic systems to microservices, improving deployment frequency and reducing system downtime.
* Utilized **GraphQL** to optimize client data requests, reducing bandwidth usage and enhancing frontend flexibility.
* Enabled feature toggling with feature flag frameworks, facilitating controlled releases and quick rollbacks.
* Partnered with UI/UX teams employing **Tailwind CSS** to deliver accessible, mobile-first web interfaces.
* Managed database schema versioning and migrations with **Liquibase**, ensuring seamless deployment of data changes.
* Built and validated complex client-side forms using **Formik** and **Yup**, improving data integrity and user input validation.
* Tuned JVM parameters and optimized garbage collection to enhance backend performance during peak usage.
* Mentored junior developers on clean coding standards, automated testing, and Agile best practices.
* Implemented API throttling and rate limiting to prevent service overload and ensure consistent system uptime.
* Integrated external automotive data services securely, enriching platform capabilities while maintaining compliance with industry standards.
* Established automated CI/CD pipelines using **Jenkins**, **Maven**, and **GitHub Actions**, accelerating release cycles and reducing manual errors.
* Leveraged **AWS EC2**, **S3**, and **RDS** for hosting, storage, and database management, supporting a highly available cloud infrastructure.

**Client: JPMorgan Chase & Co., New York, NY, USA oct 2023 – nov 2024**  
**Role: Java Full Stack Developer**

**Responsibilities:**

* Developed secure, scalable **microservices** using **Java 11**, **Spring Boot**, and **Hibernate** for core banking operations like fund transfers and transaction tracking.
* Designed and implemented responsive **front-end interfaces** with **ReactJS**, **Redux**, **TypeScript**, and **Bootstrap**, improving user experience and accessibility.
* Integrated **OAuth 2.0** and **JWT** for secure authentication and authorization, ensuring **PCI-DSS** compliance.
* Connected internal services to **SWIFT messaging systems** and external **payment gateways** for seamless interbank transfers.
* Built and exposed **RESTful APIs** with **pagination**, **rate limiting**, and **security headers**, improving API governance and stability.
* Tuned **PostgreSQL** and **MongoDB** queries using indexes and partitioning strategies to boost performance for financial data access.
* Enabled **event-driven architecture** using **Apache Kafka** to handle real-time transaction alerts, fraud detection, and audit trails.
* Built robust **CI/CD pipelines** using **Jenkins**, **Maven**, and **Docker**, enabling automated testing and deployment.
* Created custom **Angular components** for **KYC**, **credit scoring**, and **customer onboarding** workflows, enhancing modular development.
* Achieved 90%+ code coverage using **JUnit**, **Mockito**, and **Selenium** for unit, integration, and end-to-end testing.
* Secured data using **Spring Security** and **TLS/SSL encryption**, protecting sensitive banking information.
* Implemented real-time **monitoring and logging** using **Splunk** and **Prometheus**, reducing issue resolution time.
* Refactored legacy monolithic systems into **microservices** using **SOLID principles** and **domain-driven design (DDD)**.
* Improved system performance with **Redis caching**, reducing database load and accelerating response times.
* Managed schema changes using **Flyway**, ensuring consistent **database migrations** across environments.
* Collaborated cross-functionally with **Product Owners**, **QA**, and **Compliance** to align with **SOX** and **AML** standards.
* Deployed applications to **AWS (EC2, ECS, RDS)** and configured **IAM roles** and **security groups** for cloud-native operations.
* Documented **API specs**, **architecture decisions**, and technical guides using **Confluence** to improve team efficiency.
* Led **code reviews**, enforced **secure coding practices**, and mentored 4+ junior developers on **full-stack development**.
* Participated in **Agile Scrum** ceremonies including **daily standups**, **sprint planning**, and **retrospectives** using **JIRA**.

**Client: InfoNova Systems, Chicago, IL, USA Nov 2021 – Aug 2023**

**Role: Software Developer  
Responsibilities:**

* Designed and developed **RESTful APIs** using **Java 8/11** and **Spring Boot**, enabling efficient data exchange and integration across multiple services.
* Implemented responsive and dynamic web interfaces using **Angular 6/12**, **TypeScript**, **HTML5**, and **CSS3**, improving user engagement and accessibility.
* Optimized complex **SQL queries**, indexes, and stored procedures in **MySQL** and **PostgreSQL**, improving database performance by up to 30%.
* Collaborated in Agile teams following **Scrum** methodology, actively participating in sprint planning, daily standups, retrospectives, and demos.
* Built and maintained automated **CI/CD pipelines** using **Jenkins** and **Maven**, reducing deployment times and increasing release frequency.
* Wrote comprehensive unit and integration tests using **JUnit 5** and **Mockito**, achieving over 85% code coverage and reducing bugs in production.
* Utilized **Git** and **GitHub** for version control and code collaboration, adhering to **GitFlow** branching strategy to streamline feature development.
* Implemented authentication and authorization using **Spring Security**, **OAuth 2.0**, and **JWT**, ensuring secure access control.
* Refactored legacy applications to enhance code maintainability and scalability, applying **SOLID principles** and design patterns.
* Developed reusable Angular components and services, promoting consistent UI design and faster development cycles.
* Conducted code reviews and provided constructive feedback to team members, improving overall code quality and knowledge sharing.
* Assisted in deploying Java applications on **Apache Tomcat** and monitored logs with **Log4J** for proactive issue resolution.
* Participated in requirement analysis sessions, translating business needs into technical specifications and user stories.
* Created clear API documentation using **Swagger/OpenAPI**, facilitating seamless integration between front-end and back-end teams.
* Automated routine tasks and environment setup scripts using shell scripting and build automation tools.
* Supported troubleshooting and debugging efforts for production issues, utilizing log analysis tools to identify root causes quickly.
* Collaborated closely with QA engineers to define test cases and validate bug fixes, improving product quality.
* Assisted in the migration of applications to cloud platforms such as **AWS EC2** and **S3**, improving scalability and availability.
* Designed error handling and logging mechanisms that enhanced system reliability and easier maintenance.
* Monitored application performance metrics and identified optimization opportunities to improve response times.
* Integrated third-party APIs and services, expanding application functionality and improving user experience.
* Participated in cross-team knowledge sharing and training sessions, fostering a collaborative learning environment.
* Developed and maintained database schema using SQL scripts, ensuring consistency across development, staging, and production environments.
* Applied best coding practices and followed company security guidelines to ensure application compliance and data protection.
* Engaged in continuous learning and self-development to keep up with emerging technologies and industry trends.

**Hexaware Technologies, Chennai, India Jan 2020 – Oct 2021**  
**Role: Java Full Stack Developer**  
**Responsibilities:**

* Built high-performing full-stack applications using **Java 8**, **Spring Boot**, and **Hibernate**, focusing on clean architecture, scalability, and long-term maintainability.
* Developed dynamic, modular user interfaces with **Angular 6**, **TypeScript**, **HTML5**, and **CSS3**, ensuring responsive designs across desktop and mobile platforms.
* Designed and consumed **RESTful APIs** to enable seamless communication between distributed services and frontend components.
* Implemented secure authentication and authorization using **Spring Security**, **OAuth 2.0**, and **JWT**, safeguarding sensitive user data.
* Optimized data retrieval by writing advanced **SQL queries**, stored procedures, and views in **PostgreSQL** and **Oracle**, reducing query latency by 30%.
* Practiced **Test-Driven Development (TDD)** by building unit and integration tests with **JUnit** and **Mockito**, achieving over 90% code coverage.
* Used **Git** and **Bitbucket** for version control, following **Gitflow** to manage feature branches, code reviews, and collaborative development.
* Automated build, test, and deployment processes using **Maven**, **Jenkins**, and shell scripts, supporting continuous integration and delivery pipelines.
* Participated in all phases of the **Agile Scrum** lifecycle, including sprint planning, daily stand-ups, retrospectives, and demos.
* Collaborated with cross-functional teams including QA, product owners, and UX designers to refine features and align with business goals.
* Deployed and monitored applications on **Apache Tomcat**, using **Log4j** and **custom log parsers** to identify issues and ensure uptime.
* Documented API endpoints using **Swagger/OpenAPI**, improving transparency and communication between frontend and backend teams.
* Integrated external REST APIs and third-party services (e.g., geolocation, email, SMS) to expand application capabilities.
* Refactored legacy monolithic codebases into **modular microservices**, improving maintainability and deployment flexibility.
* Created reusable Angular services, interceptors, and pipes to reduce code duplication and enhance maintainability.
* Designed user role and permission management modules, enabling admin-level control over content and system access.
* Developed database migration scripts and managed schema changes using **Flyway**, ensuring consistency across environments.
* Performed load and performance testing using **Postman** and **JMeter**, identifying and resolving bottlenecks before release.
* Participated in peer code reviews, providing constructive feedback to improve code quality and maintain coding standards.
* Conducted UAT support and defect triaging during production deployments, ensuring smooth release rollouts and minimal downtime.

**Client: Apollo Hospitals, Hyderabad, India FEB 2018 – Dec 2019  
Role: Java Full Stack Developer**

**Responsibilities:**

* Developed and maintained **Spring Boot** microservices compliant with **HIPAA** and Indian **IT Act** regulations for secure **electronic health records (EHR)** management.
* Built responsive user interfaces using **Angular 8**, **TypeScript**, **HTML5**, and **CSS3**, improving usability for healthcare professionals.
* Designed and exposed secure **RESTful APIs** to integrate hospital management with third-party **lab**, **pharmacy**, and **insurance** systems.
* Implemented **role-based access control (RBAC)** using **Spring Security**, **OAuth 2.0**, and **JWT** to safeguard patient data confidentiality.
* Optimized **PostgreSQL** and **Oracle** databases by writing advanced queries, stored procedures, and indexes, enhancing data retrieval efficiency.
* Utilized **Apache Kafka** for event-driven architecture enabling real-time appointment scheduling and patient notification workflows.
* Developed comprehensive **unit and integration tests** using **JUnit** and **Mockito**, achieving over **90% code coverage** and reducing production defects.
* Collaborated with QA teams to perform manual and automated testing using **Selenium** and **Postman**, ensuring software quality and regulatory compliance.
* Automated **CI/CD** pipelines with **Jenkins**, **Maven**, and **Docker**, streamlining deployment processes across environments.
* Containerized applications using **Docker** and managed orchestration with **Kubernetes**, achieving high availability and scalability.
* Configured real-time monitoring and alerting via the **ELK Stack (Elasticsearch, Logstash, Kibana)** and **Prometheus** for proactive issue resolution.
* Engaged with clinical and business analysts to gather requirements and design technical solutions aligned with healthcare standards.
* Applied **Agile Scrum** methodologies, participating in sprint planning, daily standups, retrospectives, and backlog grooming.
* Refactored legacy monolithic healthcare systems into **microservices architecture**, improving maintainability and deployment speed.
* Developed reusable Angular components and services to ensure consistent UI/UX across patient and staff portals.
* Maintained secure application configurations using **Spring Profiles** for development, staging, and production environments.
* Leveraged **Swagger/OpenAPI** for clear API documentation, facilitating seamless integration between front-end and back-end teams.
* Managed database schema migrations using **Flyway**, ensuring smooth and consistent upgrades across all environments.
* Provided mentorship to junior developers on **Java Full Stack** technologies, security best practices, and healthcare domain knowledge.
* Ensured adherence to software development best practices including **SOLID principles**, **TDD**, and clean code standards to enhance product quality.

**Certifications:**

* Java web application development internship
* Java fullstack developer

**Education:**

**Master of Science, Computer Science** |Central Michigan university, USA

**Bachelors in Technology, Computer Science** | J.B institute of engineering and technology, India