

Pranathi Ananthula

Status: PR

Backend Developer (Java)

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Professional Summary

Java Developer with 5 years of experience specializing in designing, developing, and deploying Java-based enterprise applications using **Spring Boot**, **Hibernate**, **REST APIs**, and **web development** technologies like **HTML**, **CSS**. Adept at optimizing performance, enhancing system scalability, and delivering high-quality software solutions in **Agile** environments. Strong communicator with a commitment to continuous improvement, **cloud deployment (Azure)**, and adherence to best practices like **Test-Driven Development (TDD)**.

Technical Skills

- **Languages:** Java (Core, JEE), HTML, CSS3.
 - **Frameworks:** Spring Boot, Maven, Gradle, Spring MVC, Hibernate, Swagger 2.0.
 - **API Development:** REST, SOAP, OAuth, JWT, Kafka.
 - **Databases:** MySQL, MS-SQL, Oracle (PL-SQL), JPA2, SQL(DDL, DML).
 - **Cloud Platforms:** Microsoft Azure (Familiar), OpenShift.
 - **Containerization & Orchestration:** Docker, Kubernetes.
 - **Tools:** JIRA, Confluence, GitHub, Github Actions, Postman, SecureCRT, TeamCity, UrbanCode Deploy(UDeploy)
 - **Logging and Monitoring:** Log4J, Splunk, Dynatrace.
 - **Servers:** Apache Tomcat.
 - **Development Methodologies:** Agile, Scrum, Test-Driven Development (TDD).
 - **Other:** Memory Management, Transaction Management, Design Patterns (MVC, Singleton, Factory).
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Professional Experience

Citi

Mississauga, ON, CA | Java Developer-Analyst | November 2025-Present

- Designing and developing scalable backend **REST APIs** for the Agency Securities Lending (ASL) platform using **Spring Boot**, enabling efficient trade processing and data exchange.
- Contributed to the migration of legacy middleware from **TIBCO** to **Kafka**-based architecture (**KaaS**), enabling event-driven processing and improving system scalability and latency.
- Contributed to the migration of **Lightspeed Classic** to **Lightspeed Enterprise**, ensuring seamless data integration and minimal downtime.

- Implemented performance optimizations across **microservices** and database layers, improving application response times and overall system efficiency.
- Managed Agile workflows using **JIRA**, creating and tracking ASL-related user stories, defects, and technical tasks to support sprint delivery.
- Collaborated with cross-functional teams including QA, business analysts, and downstream systems to deliver reliable backend solutions.
- Supported production systems by troubleshooting issues, performing root cause analysis, and deploying fixes to maintain system stability.
- Utilized **SecureCRT** and **SecureFX** to access and analyze application logs on remote environments, enabling effective debugging and faster resolution of production issues.
- Participated in code reviews and applied best practices in API design, microservices architecture, and secure coding standards.
- Assisted new team members with development environment setup, onboarding, and knowledge transfer to improve team productivity.

CIBC

Toronto, ON, CA | Consultant | December 2024 – November 2025

- Developed multiple microservices using **Java Springboot** and connected them to retrieve data from **Oracle DB** and **MSSQL DB**.
- **Optimized** database queries using indexing, partitioning, and query optimization techniques, improving performance by **35%**.
- Configured **OpenShift** pods for lower environments, ensuring seamless cloud deployments.
- Developed a Spring boot based API which performs data parsing and conversion from **JSON** to application format(FIRCO) for AML application processing.
- Prepared CI/CD pipelines using **Azure DevOps** and **GitHub Actions** to automate the build, test, and deployment processes, resulting in faster release cycles and improved code quality.
- Refactored legacy code using **design patterns** like Dependency Injection, Factory and Singleton to improve scalability.
- Designed and deployed microservices-based applications using **Docker** and **Kubernetes**, implementing enterprise integration patterns and ensuring scalability, fault tolerance.
- Involved in development of high-performance, event-driven systems leveraging **Apache Kafka** for real-time data streaming and service decoupling, aligning with service-oriented and layered architecture principles to enhance system throughput and resilience.
- Integrated **Log4j** for centralized logging, ensuring effective monitoring and debugging of microservices.

Infosys Ltd. (Client: CIBC, CAT, Mercedes Benz)

Hyderabad, Telangana, India | Senior Systems Engineer | September 2021 – July 2024

- **Developed and optimized Spring-based Web APIs** and **microservices** for mission-critical applications in **manufacturing** and **core management** domains, improving operational efficiency and system performance by **35%**.

- **Designed and implemented RESTful APIs** to enable smooth **data exchange** between internal systems and external services, using **Spring Boot** (IOC, ORM, MVC) and **Spring REST** for scalable, maintainable architecture.
- **Utilized Oracle PL-SQL** for **relational database management**, designing **logical and physical models**, and ensuring data integrity through **DDL, DML** operations, and managing **transactions, isolation levels, and rollbacks** for robust data handling.
- **Refined database queries** and optimized performance to ensure seamless **data synchronization** and real-time application updates in a complex environment.
- **Integrated security protocols** such as **OAuth, JWT, and TLS** for **API authentication and authorization**, ensuring secure communication between services and enhancing data protection.
- Involved in API development to develop **Swagger 2.0** integrated **microservice** architecture using **Java, Springboot** and **JPA** for an enterprise grade application.
- **Deployed applications on Microsoft Azure**, ensuring **high availability, scalability, and security** in the cloud environment, leveraging Azure's platform features for continuous integration and deployment (CI/CD).
- Optimized system performance by integrating **Spring Boot**, improving **response times** and boosting application efficiency by **35%**.
- Collaborated with **Agile** teams, actively participating in sprint planning, stand-ups, and retrospectives using JIRA and **Confluence** for documentation and project tracking.
- Integrated **Splunk** and **Dynatrace** for enhanced **logging and monitoring**, ensuring effective production support and faster issue resolution.
- Delivered high-quality, scalable, and secure code by following **Test-Driven Development (TDD)** principles, actively participating in code reviews to enforce best practices, and continuously refactoring critical components to enhance application performance, scalability, and security.
- **Version control** with **Git** for managing code repositories and collaboration, ensuring clean code merges and versioning.
- **Applied object-oriented design** principles, leveraging **design patterns** and **UML diagrams** to architect scalable and maintainable solutions.

Additional Key Contributions:

- **Wrote comprehensive unit tests and UI automation tests**, ensuring that new features were robust and easily maintained while minimizing manual testing efforts.
- Improved **database schema design** to optimize queries and increase processing speed, enhancing overall application performance and scalability.
- Enhanced API security by implementing **OAuth scopes**, ensuring role-based access control for external API integrations.
- Involved in **CI/CD pipeline setup** using **Jenkins**, and other deployment tools, streamlining the build and deployment process for more efficient delivery cycles.

Sigmatsoft (Client: Infosys)

Hyderabad, Telangana, India | Associate Software Engineer | January 2020 – August 2021

- **Developed and maintained RESTful APIs** using **Java (Core, JEE), Spring Boot, and Hibernate**, supporting scalable and modular applications with clean, maintainable code.
- **Implemented secure authentication and authorization** mechanisms using **JWT**, ensuring safe and role-based access to backend services in compliance with security standards.

- **Leveraged JPA2 and Hibernate ORM** to manage data persistence and relationships in Java applications, ensuring optimal performance and maintainable object-relational mapping.
 - **Used GitHub for version control**, supporting collaborative development, code reviews, and clean branching strategies, while managing builds and dependencies through **Maven**.
 - **Followed Agile and Scrum methodologies**, participated in daily stand-ups, sprint planning, and retrospectives, using **JIRA and Confluence** for tracking deliverables and documenting requirements.
 - **Monitored application health and performance** using **Log4J, Splunk** and performed hot fixes.
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Education

Bachelor of Technology in Computer Science & Engineering

Christu Jyothi Institute of Technology & Science, 2021

Certifications

- Infosys Certified Java SE8 Developer
- Infosys Certified MySQL Associate
- Infosys Certified Spring Associate
- Infosys Certified Open Chain Practitioner
- Microsoft Azure (AZ900) Certification