**Full Stack java Developer**

**Nithin, K**

**Email: nithingoud933@gmail.com**

**Phone: 4435168457**



* Accomplished **Full Stack Developer** with over 8 **years of experience** in designing, developing, and deploying scalable web-based applications using **Java**, **J2EE**, and modern frameworks. Specializing in **microservices architecture** and cloud-native solutions, I deliver scalable, secure, and high-performance systems that redefine user experience and system reliability.
* Proficient in **object-oriented design (OOD)**, system architecture, and full-stack development across various SDLC models (**Agile**, **Scrum**, and Waterfall), ensuring robust and maintainable software solutions.
* Extensive expertise in the **Spring Framework**, including **Spring Boot**, **Spring MVC**, and **Spring Security**, for building microservices, RESTful APIs, and modularizing cross-cutting concerns like logging, security, and transaction management.
* Proven ability to design microservices architectures using **Spring Cloud Netflix** OSS components like Hystrix for fault tolerance, Zuul for **API gateway routing**, **Eureka** for service discovery.
* Skilled in front-end development using modern frameworks such as **Angular (2/4/8/12)** and **React (15,16/17/18)** with hands-on experience in state management using Redux Toolkit and RxJS. Adept at creating responsive UI/UX designs with Material-UI, SCSS, Bootstrap 5, HTML5, CSS3, and JavaScript.
* Strong command of advanced Java features (**Java 8+**) such as Functional Interfaces, Stream API, Concurrency utilities, Lambda expressions, and Collection Framework APIs for building enterprise-grade applications.
* Expertise in database management with both SQL (**MySQL**, Oracle) and NoSQL (**MongoDB**, Cassandra), optimizing performance through indexing strategies, stored procedures, triggers, schema design, and query optimization.
* Proven experience in event-driven architectures using messaging systems like **Apache Kafka** and **RabbitMQ**, implementing publish-subscribe patterns to enhance system responsiveness and scalability.
* Experienced in cloud platforms (**AWS** & **Azure**) with services like AWS Lambda, S3, RDS (PostgreSQL/MySQL), ElastiCache (Redis), Azure App Service, Azure Functions, Blob Storage, Kubernetes (EKS/AKS), enabling the deployment of scalable cloud-native applications.
* Skilled in DevOps practices such as CI/CD pipeline creation using tools like Jenkins, GitLab CI/CD Pipelines, AWS CodePipeline, Azure DevOps Pipelines; Infrastructure as Code (IaC) using Terraform for automated cloud provisioning.
* Migrated legacy **monolithic** applications into **microservices**-based architectures hosted on cloud platforms like AWS or Azure.
* Proficient in containerization using **Docker** (18.x/19.x) and orchestration with **Kubernetes** (AWS EKS/Azure AKS), ensuring seamless deployment and scaling of microservices in distributed environments.
* Strong expertise in implementing secure **authentication**/**authorization** mechanisms using **OAuth 2.0, JWT tokens, Spring Security 5/6**; experienced in enabling Single Sign-On (**SSO**) for centralized access control across multiple systems.
* Comprehensive knowledge of **RESTful web services** with automated API documentation using **Swagger**; experienced in developing **SOAP-based web services** with **WSDL** for seamless communication between systems.
* Expertise in performance optimization techniques such as **thread dump analysis**, caching implementations (**Redis**, **EhCache**), log management using tools like **Splunk** and ELK Stack (**ElasticSearch**/**Kibana**), and monitoring with **Prometheus**-**Grafana**.
* Skilled in automated testing frameworks such as **JUnit 4/5, TestNG, Mockito**; experienced in Behavior-Driven Development (BDD) using Selenium and Cucumber to ensure high-quality software delivery.
* Proficient in version control systems like **GitHub/GitLab/Bitbucket**; experienced in integrating **SonarQube** for static code analysis to ensure continuous code quality improvement across projects.
* Strong leadership skills with a proven track record of mentoring teams to drive innovation while delivering complex projects on time within budget constraints.



| **Programming Languages** | Java 8/11/17, TypeScript, JavaScript |
| --- | --- |
| **Frontend Development** | React 15/16/17/18, Redux Toolkit, Material-UI, SCSS |
| **Backend Development** | Spring Boot 2.x/3.x, Hibernate ORM, RESTful APIs |
| **Cloud Services** | Azure App Service, Azure Functions, Azure Kubernetes Service (AKS), Azure Blob Storage |
| **Database Management** | MySQL, Oracle, MongoDB, PostgreSQL, Azure Cosmos DB, Redis |
| **Authentication/Security** | Spring Security 5/6, OAuth 2.0, JWT |
| **Messaging Services** | ActiveMQ, RabbitMQ, IBM MQ, Apache Kafka |
| **DevOps Tools** | Jenkins, GitLab CI/CD Pipelines, Azure DevOps Pipelines |
| **Containerization & Orchestration** | Docker 18.x/19.x, Kubernetes |
| **Monitoring & Logging** | Azure Monitor, Application Insights |
| **Event Streaming/Messaging** | Apache Kafka 2.x, RabbitMQ |
| **Testing Frameworks** | JUnit 4/5, Mockito, Protractor, Jest |
| **Version control** | GIT, SVN, CVS, Bitbucket, TFS |
| **Project Management Tools** | JIRA, Confluence |



**Cigna, Morris plains, New Jersey Jul 2024 – Till Date  
Full Stack Java Developer**

* Architected and developed scalable microservices using **Java**, **Spring Boot**, and deployed them on **Azure Kubernetes Service (AKS)** to ensure high availability, fault tolerance, and seamless scalability.
* Designed and implemented RESTful APIs and integrated **GraphQL** for efficient data exchange between distributed systems hosted on Azure, improving system interoperability.
* Leveraged **Docker** for containerization and orchestrated deployments using Kubernetes on Azure for consistent environments across development, testing, and production.
* Automated CI/CD pipelines using **Azure DevOps**, integrating tools like SonarQube for static code analysis and ensuring seamless deployment processes.
* Developed responsive front-end applications using **React 18** and **TypeScript**, implementing dynamic state management with Redux Toolkit and RxJS for efficient data handling.
* Enhanced application security by integrating **Azure Active Directory (AAD)** for authentication and authorization alongside OAuth 2 and JWT tokens for robust access control.
* Configured infrastructure as code (IaC) using **Terraform** to provision Azure resources such as Virtual Machines (VMs), Azure SQL Databases, Blob Storage, Virtual Networks (VNets), and Role-Based Access Control (RBAC).
* Utilized **Azure Functions** to implement serverless solutions for event-driven workflows like HTTP requests, queue processing, and database updates, reducing infrastructure overhead.
* Deployed event-driven architectures using **Azure Event Grid** and integrated real-time messaging with **Apache Kafka** hosted on Azure HDInsight.
* Designed database schemas for relational databases like **Azure SQL Database**, optimizing query performance through indexing strategies and advanced configurations.
* Implemented caching solutions with **Azure Cache for Redis** to reduce latency for frequently accessed data in high-throughput applications.
* Monitored application performance using **Azure Monitor**, configured custom dashboards, and set up proactive alerts to address system bottlenecks in real time.
* Migrated legacy monolithic applications to a modern microservices architecture hosted on Azure cloud platforms, leveraging services like Azure App Service for streamlined deployment.
* Integrated third-party APIs into platforms to enhance functionality while ensuring secure communication via SSL/TLS protocols.
* Developed event-driven systems using **Kotlin Coroutines** for efficient concurrency management in distributed applications hosted on Azure.
* Built lightweight microservices with the **Micronaut framework**, incorporating JWT authentication, OAuth2 flows, and RBAC for secure operations in Azure environments.
* Designed distributed systems using **Scala** and implemented large-scale data processing pipelines with **Apache Spark** on Azure Databricks, achieving low-latency data processing at scale.
* Implemented advanced search capabilities using **Azure Cognitive Search**, enabling efficient indexing and retrieval of large datasets across multiple domains.
* Automated testing processes by adopting TDD/BDD practices with tools like JUnit 5, Mockito, Cypress, and Selenium to ensure high-quality deliverables across all development stages.
* Developed custom dashboards leveraging tools like Actimize to provide actionable insights into transaction trends and compliance metrics for stakeholders.
* Configured dynamic routing in web applications using frameworks like Next.js for flexible URL structures that improved user navigation experiences.
* Implemented responsive designs with CSS3 frameworks such as Bootstrap 5, Tailwind CSS, and SCSS to ensure optimal user experiences across devices of varying screen sizes.
* Utilized Podman as an alternative container runtime for secure container management in development environments without requiring root privileges.
* Deployed SaaS applications on Azure cloud platforms by leveraging native services like Blob Storage for storage solutions, Logic Apps for workflow automation, and Front Door for global load balancing optimization.
* Integrated monitoring tools such as Prometheus-Grafana with Azure Monitor insights to visualize application metrics in real time while ensuring system health through proactive alerts configured via Dynatrace AI insights.
* Followed Agile methodologies throughout the SDLC process by participating in daily stand-ups, sprint planning sessions, backlog grooming meetings, and retrospectives to deliver solutions aligned with evolving business requirements.

**Key Environment:**

Java, Spring Boot, Spring Cloud Microservices Architecture, React 18, TypeScript, Kubernetes, Docker, Terraform (IaC), Azure DevOps CI/CD Pipelines, Azure Functions, Azure Active Directory (AAD), Azure SQL Database, Apache Kafka, Redis Cache.

**T. Rowe Price, Baltimore, MD Sep 2022 – Jun 2024 Full Stack Java Developer**

* Designed and deployed scalable microservices-based applications using **Java Spring Boot** and **React 17**, leveraging **Azure Kubernetes Service (AKS)** for fault-tolerant orchestration in cloud environments.
* Developed RESTful APIs and integrated **GraphQL endpoints**, enabling seamless data exchange between front-end portals and back-end systems while ensuring secure communication via SSL/TLS protocols.
* Built responsive front-end applications using **React 17**, **TypeScript**, Material-UI, and Tailwind CSS, delivering dynamic user interfaces optimized for mobile and desktop platforms.
* Engineered event-driven systems using **Apache Kafka** and RabbitMQ to support real-time data processing, ensuring fault tolerance, high availability, and seamless communication between distributed services.
* Automated CI/CD pipelines using **Azure DevOps**, GitHub Actions, Jenkins, and Bitbucket Pipelines while incorporating static code analysis tools like SonarQube to maintain high-quality code standards.
* Configured infrastructure as code (IaC) using **Terraform** to provision Azure resources such as Virtual Machines (VMs), Blob Storage, Virtual Networks (VNets), Role-Based Access Control (RBAC), and Azure SQL Databases for cost-effective cloud resource management.
* Leveraged advanced features of **PostgreSQL**, including window functions, CTEs, JSONB data types, and indexing strategies to optimize query performance for transactional workflows.
* Implemented secure authentication mechanisms using **Azure Active Directory (AAD)** alongside OAuth 2.1, JWT tokens, and Spring Security 6 to ensure compliance with industry security standards.
* Enhanced application monitoring by integrating **Dynatrace** with Azure Monitor to track performance metrics in real time while proactively resolving bottlenecks through AI-powered insights.
* Designed fault-tolerant web services with retry mechanisms and circuit breakers to ensure high availability under heavy workloads in distributed systems hosted on Azure cloud platforms.
* Implemented caching solutions with **Azure Cache for Redis**, reducing latency for frequently accessed data in high-throughput applications while improving overall application response times.
* Developed server-side validation using the Spring Validation Framework to ensure data integrity across all layers of the application stack.
* Configured dynamic routing in web applications using frameworks like Next.js to improve SEO performance while delivering a seamless navigation experience for end users.
* Conducted unit testing, integration testing, and UI testing using tools like JUnit 5, Mockito, Cypress, Selenium, and ScalaTest to ensure code quality across all stages of development.
* Collaborated with cross-functional teams during Agile sprints to deliver scalable solutions aligned with evolving business requirements by participating in sprint planning sessions, backlog grooming meetings, daily stand-ups, and retrospectives.
* Designed database schemas for relational databases like **Azure SQL Database**, optimizing storage efficiency while ensuring fast retrieval of structured data for transactional workflows.
* Integrated Prometheus-Grafana dashboards with Azure Monitor insights to visualize system health metrics in real time while setting up proactive alerts for critical application events.
* Automated workflows using GitHub APIs and webhooks to streamline development processes such as pull request reviews, branch management strategies, and release approvals.
* Developed custom reporting tools using Actimize to provide actionable insights into transaction trends while ensuring compliance with financial regulations through advanced analytics dashboards.
* Implemented responsive design principles using CSS3 frameworks such as Tailwind CSS, Bootstrap 5, and SCSS to deliver mobile-friendly user interfaces optimized for various screen sizes.
* Utilized Splunk for centralized logging and error tracking across distributed microservices architecture while generating business analytics reports from application logs.

**Key Environment:**

Java Spring Boot, React 17, TypeScript, PostgreSQL (Azure SQL Database), Apache Kafka (HDInsight), RabbitMQ, Kubernetes (Azure AKS), Terraform (IaC), Azure DevOps CI/CD Pipelines

**Strong bridge LLC, Sterling, VA Oct 2021 - Aug 2022 Java Full Stack Developer**

* Developed and deployed a microservices-based application using **Java Spring Boot**, **React 17**, and **MongoDB**, ensuring scalability, high performance, and compliance with financial regulations.
* Designed and implemented **RESTful APIs** with Spring Boot, integrated Swagger for API documentation, and secured endpoints using **JWT** and **Spring Security** to protect sensitive financial data.
* Built dynamic front-end modules using **React 17**, **TypeScript**, Material-UI, and React Router, implementing reusable components, route guards, and state management with Redux Toolkit for enhanced user experiences.
* Optimized React performance by implementing lazy-loaded components, React Context API for global state management, and custom hooks for modular functionality in high-traffic banking interfaces.
* Integrated **Apache Kafka** as a messaging backbone for real-time event streaming between microservices, enabling seamless communication for payment processing and fraud detection workflows.
* Configured server-side validation with the **Spring Validation Framework**, ensuring data integrity in financial calculations and transaction processing.
* Deployed applications on **Azure App Service** for streamlined hosting while leveraging **Azure Cosmos DB** for secure and scalable database management with low-latency access to transactional data.
* Automated CI/CD pipelines using **Azure DevOps Pipelines**, integrating static code analysis tools like SonarQube to maintain high-quality code standards during deployment cycles.
* Containerized applications using Docker images and deployed them on Kubernetes clusters hosted on Azure Kubernetes Service (AKS) for fault-tolerant orchestration.
* Optimized database performance by writing complex stored procedures, triggers, and indexed queries in **MySQL 5.7**, improving transaction processing efficiency.
* Integrated centralized logging and monitoring with **Azure Monitor** and Splunk to track transaction anomalies, API latency, and system health in real time.
* Collaborated with compliance teams to implement audit trails and data encryption (SSL/TLS) for secure financial reporting and regulatory adherence.
* Conducted unit testing using **JUnit 4** and Mockito while performing front-end performance profiling with Chrome DevTools to optimize latency-critical banking workflows.
* Developed modular front-end components adhering to responsive design principles using SCSS, ensuring seamless user experiences across devices of varying screen sizes.

**Key Environment:**

Java 11, Spring Boot, React 17, TypeScript, MongoDB , MySQL, Apache Kafka , Azure App Service, Azure Cosmos DB, Azure Kubernetes Service (AKS), Docker, Azure DevOps Pipelines.

**ACKO Technology and Services, Bengaluru, India Jan 2019 – Sep 2021   
Java Developer**

* Designed and developed scalable microservices using **Java Spring Boot 2.x**, ensuring high availability, fault tolerance, and maintainability in a distributed application ecosystem.
* Built dynamic front-end applications using **React 16**, **TypeScript**, Material-UI, and React Router, implementing reusable components, route guards, and state management with Redux Toolkit for enhanced user experiences in insurance portals.
* Developed RESTful APIs with **Spring Boot 2.x**, integrated Swagger for API documentation, and secured endpoints using **JWT** and **Spring Security 5**, ensuring compliance with data protection standards.
* Deployed applications on **Azure App Service**, leveraging its auto-scaling capabilities to handle traffic spikes while maintaining optimal performance.
* Configured serverless back-end solutions with **Azure Functions** for event-driven workflows, reducing operational overhead by eliminating the need for server management.
* Integrated **Azure Blob Storage** for scalable storage of static assets such as policy documents, images, and customer-generated files, optimizing storage costs and retrieval times.
* Automated CI/CD pipelines using **Azure DevOps Pipelines**, integrating static code analysis tools like SonarQube to maintain high-quality code standards during deployment cycles.
* Orchestrated containerized microservices using Docker 19.x images and deployed them on Kubernetes clusters hosted on **Azure Kubernetes Service (AKS)** for fault-tolerant orchestration.
* Optimized database queries in **Azure SQL Database** by implementing indexing strategies, stored procedures, and triggers to improve transaction processing efficiency.
* Integrated centralized logging and monitoring with **Azure Monitor** and Application Insights to track API latency, error rates, and system health in real time.
* Collaborated with cross-functional teams to implement audit trails and encryption protocols (SSL/TLS) for secure data transmission across insurance platforms.
* Conducted unit testing using **JUnit 4** and Mockito while performing front-end testing with Jest and React Testing Library to ensure high-quality deliverables across all development stages.
* Enhanced React application performance by implementing lazy-loaded components, React Context API for global state management, and custom hooks for modular functionality in client-facing portals.
* Developed responsive front-end components adhering to mobile-first design principles using SCSS, ensuring seamless user experiences across devices of varying screen sizes.

**Key Environment:**

Java 11, Spring Boot 2.x, React 16, TypeScript, Azure SQL Database, Azure App Service, Azure Functions, Azure Blob Storage, Azure Kubernetes Service (AKS), Docker 19.x, Azure DevOps Pipelines.

**Clues Network Pvt. Ltd, Gurgaon, India Aug 2017 – Dec 2018**

**Java Developer**

* Designed and developed scalable e-commerce microservices using **Java Spring Boot 2.x**, ensuring fault tolerance, high availability, and seamless integration across distributed systems.
* Built dynamic front-end applications using **React 15**, **TypeScript**, and Material-UI, implementing reusable components, route guards, and state management with Redux for enhanced user experiences in online retail platforms.
* Developed RESTful APIs with **Spring Boot 2.x**, integrated Swagger for API documentation, and secured endpoints using **JWT** and **Spring Security 5**, ensuring compliance with data protection standards.
* Deployed applications on **Azure App Service**, leveraging its auto-scaling capabilities to handle traffic spikes during peak sales events while maintaining optimal performance.
* Configured serverless workflows using **Azure Functions** for event-driven processes such as order confirmations, inventory updates, and payment notifications, reducing operational overhead by eliminating server management.
* Integrated **Azure Blob Storage** for scalable storage of product images, customer-generated files, and static assets, optimizing storage costs and retrieval times for high-demand resources.
* Automated CI/CD pipelines using **Azure DevOps Pipelines**, integrating static code analysis tools like SonarQube to maintain high-quality code standards during deployment cycles.
* Orchestrated containerized microservices using Docker 18.x images and deployed them on Kubernetes clusters hosted on **Azure Kubernetes Service (AKS)** for fault-tolerant orchestration.
* Optimized database queries in **Azure SQL Database** by implementing indexing strategies, stored procedures, and triggers to improve transaction processing efficiency during high-volume sales periods.
* Integrated centralized logging and monitoring with **Azure Monitor** and Application Insights to track API latency, error rates, and system health in real time.
* Collaborated with cross-functional teams to implement audit trails and encryption protocols (SSL/TLS) to ensure secure data transmission across e-commerce platforms.
* Conducted unit testing using **JUnit 4** and Mockito while performing front-end testing with Jest and React Testing Library to ensure high-quality deliverables across all development stages.
* Enhanced React application performance by implementing lazy-loaded components, React Context API for global state management, and custom hooks for modular functionality in client-facing portals.
* Developed responsive front-end components adhering to mobile-first design principles using SCSS, ensuring seamless user experiences across devices of varying screen sizes.

**Key Environment:**

Java Spring Boot 2.x, React 15, TypeScript, Azure SQL Database, Azure App Service, Azure Functions, Azure Blob Storage, Azure Kubernetes Service (AKS), Docker 18.x, Azure DevOps Pipelines.