Name: Adane Berhanu
Education: Software Engineering-UTD
LinkedIn: https://www.linkedin.com/in/adane-berhanu23
Email: n.adane24@gmail.com
Phone: +1 469-397-4037
Current Location: Dallas, TX

Objective:

Experienced Java Developer with over 6 years of expertise in architecting, developing, and deploying cutting-edge cloud-native applications. Proficient in building scalable and robust backend systems using Java, Spring Boot, and microservices architecture, paired with dynamic frontend integration using Angular. Demonstrated expertise in leveraging AWS services such as EC2, EKS, ECS, S3, DynamoDB, and Lambda for developing resilient, scalable, and cost-optimized solutions. Advanced skills in containerization using Docker, orchestration with Kubernetes, and infrastructure automation with Terraform to ensure seamless, efficient, and highly available deployments. Extensive experience in managing both relational (MySQL) and NoSQL (MongoDB, DynamoDB) databases for optimized data operations. Skilled in implementing CI/CD pipelines with Jenkins, Git, and Docker to drive automation and streamline the software development lifecycle. Passionate about delivering innovative, secure, and business-driven software solutions by leveraging modern DevOps practices, scalable architectures, and collaborative development strategies.

Technical Skills:

Programming Languages	Java8, Python, UML, XML, SQL, PL/SQL.
Web Technologies	Angular, HTML/ HTML5, CSS/ CSS3, JavaScript, jQuery, JSON, AJAX.
J2EE Framework/API's	Spring, Hibernate, JDBC, JMS, RMI, JNDI, Spring Boot.
Operating System	Windows, UNIX/Linux.
Web Services	SOAP, REST, JAX-WS, JAX-RS, Restful, Microservices, AWS, Swagger
Application/Web Servers	WebSphere, WebLogic, JBoss, Tomcat.
Databases	SQL Server, Oracle, My SQL, DB2.
Design Methodologies	OOAD, SDLC, AOP, Agile, Scrum, Waterfall, TDD.
Version Control	SVN, CVS, GIT.
Testing/ Logging Tools	JUnit, Log4J, Mockito
Build Tools	ANT, Maven, Jenkins.

Professional Works:

Tenet Health, Senior Java Developer, Austin, TX **Nov 2023 - Current**

Responsibilities:

- Designed and developed enterprise-grade, cloud-native applications leveraging Java 8, Spring Boot, and microservices architecture, utilizing modern features like Lambdas, Streams, and Time API to enhance performance, scalability, and maintainability.
- Built secure RESTful APIs using Spring MVC, Spring Security, and AOP, implementing advanced authentication and authorization mechanisms such as JWT, while seamlessly integrating with external identity providers via OAuth and LDAP.
- Engineered highly resilient and event-driven microservices using Apache Kafka for real-time messaging and data streaming, ensuring robust communication with service registration and discovery through Eureka.
- Optimized database operations by implementing efficient ORM mapping with Hibernate, managing complex data models in MySQL, and scaling NoSQL solutions like MongoDB and DynamoDB for high-performance storage and retrieval.
- Deployed containerized applications with Docker, orchestrated and managed deployments with Kubernetes, optimizing Pods, Services, and Deployments for high availability, load balancing, and fault tolerance across production environments.
- Automated cloud infrastructure provisioning using Terraform, streamlining the CI/CD lifecycle with Jenkins, Docker, and Bitbucket, ensuring seamless integration, delivery, and deployment across multi-environment pipelines.
- Developed modern, interactive single-page applications (SPAs) using Angular 11, building reusable TypeScript components, custom directives, and managing state effectively with NgRx, ensuring an intuitive and performant user experience.
- Authored advanced Python scripts for automation, web scraping, and data analysis, leveraging strong problem-solving skills to derive insights and automate repetitive tasks efficiently.
- Spearheaded application deployment and monitoring using AWS services like EC2, ECS, S3, RDS, CloudFront, and CloudWatch, ensuring optimal resource utilization, scalability, and robust incident resolution in production environments.
- Delivered high-quality software by implementing rigorous testing frameworks, including JUnit, Mockito, and Cucumber, complemented by functional automation testing with Selenium WebDriver, and maintained superior code quality and coverage with tools like SonarQube.

Environments: Java 17, Spring Boot, Typescript, Microservices, Kafka, Angular, Hibernate, Agile, REST, SOAP, Tomcat, AWS, IntelliJ, Dynatrace, Docker, Kubernetes, Maven, Junit, Jenkins, JIRA, Windows.

ETCC, Full stack Java Developer, Dallas, TX **Feb 2020 - Oct 2023**

Responsibilities:

- Developed and deployed microservices with complete CRUD functionalities using RESTful APIs, integrating OAuth2 and JWT tokens for secure access, and enabling seamless authentication with Refresh and Authorization codes.
- Designed and implemented scalable solutions using AWS services, including DynamoDB, RDS, S3, EC2, EBS, Glacier, Lambda, Route53, CloudFront, and Aurora, ensuring high availability, fault tolerance, and optimized performance.
- Containerized applications using Docker and managed orchestration with Kubernetes, automating deployment, scaling, and resource allocation in cloud environments, while ensuring operational efficiency and reliability.
- Built CI/CD pipelines with Jenkins, integrated with tools like Maven, SonarQube, Jacoco, and Git, enabling seamless deployment to Kubernetes clusters and maintaining high code quality and test coverage.
- Engineered robust backend systems using Spring Boot, implementing Spring Security for application-level security, Spring Data JPA for persistence layers, and Hibernate for ORM, ensuring efficient database interactions with MySQL, MongoDB, and DB2.
- Developed dynamic frontends using Angular 12, creating reusable TypeScript components, state management with NgRx, and ensuring application reliability through unit testing with Jasmine and Karma.
- Implemented event-driven microservices with Apache Kafka and ensured fault tolerance with Eureka Server for service registration and discovery, while monitoring service health using Spring Boot Actuator and Hystrix Dashboard.
- Streamlined batch operations using Spring Batch, automating scheduling and maintenance jobs, and designing PL/SQL scripts, stored procedures, triggers, and dynamic queries to enhance database performance and data integrity.
- Monitored and debugged systems using tools like Log4J and Splunk, proactively resolving production issues, optimizing system reliability, and enhancing application performance.
- Automated infrastructure provisioning and management with Terraform and AWS CloudFormation, enabling scalable, secure, and consistent deployments across cloud environments.

Environments: Java 17, REST, Spring, Spring Boot, Kafka, Microservices, JPA, AWS, HTML, Angular 12, JavaScript, CSS, XML, SQL, Tomcat, Agile, Maven, Junit, Jenkins, Spring, Hibernate, JMS, Unix

MasterCard, Java Developer, Kansas City, MO **April 2018 - Feb 2020**

Responsibilities:

- Designed and implemented highly scalable microservices using Spring Boot and RESTful APIs, ensuring secure integration with OAuth 2.0 and delivering comprehensive API documentation with OpenAPI.
- Developed and deployed cloud-native applications on GCP utilizing services like Google Compute Engine (GCE), Cloud Storage, BigQuery, Cloud Spanner, Pub/Sub, and GKE, and on Azure using App Service, Blob Storage, Cosmos DB, and Azure Kubernetes Service (AKS) for high availability and performance.
- Built robust event-driven systems with Kafka, employing producers and consumers for real-time data streaming, supported by Zookeeper to manage cluster stability and reliability.
- Containerized applications with Docker and orchestrated deployments with Kubernetes on GKE and AKS, optimizing scalability, fault tolerance, and resource efficiency for production environments.
- Automated software delivery pipelines using Jenkins, Google Cloud Build, and Azure DevOps, with Terraform for infrastructure provisioning and Cloud Functions and Azure Logic Apps to streamline deployment workflows.
- Created interactive and high-performing front-end applications with Angular 14, leveraging reusable TypeScript components, dynamic routing, lazy loading, and custom directives for seamless user experiences.
- Enhanced data operations by integrating Elasticsearch for efficient search and indexing, BigQuery and Azure Data Lake for analytics, and Firestore and Cosmos DB for managing NoSQL data with low-latency performance.
- Established proactive monitoring and observability solutions using Kibana, Grafana, and Google Cloud Operations Suite, providing real-time performance insights and ensuring application reliability.
- Optimized backend processes with Spring Core, Spring AOP, Spring ORM, and Spring Batch, ensuring seamless data persistence with JPA and delivering robust data solutions with Google Cloud SQL and Azure SQL Database.
- Developed messaging and asynchronous communication systems using Google Pub/Sub and Azure Service Bus, while leveraging Python to automate workflows, process data, and orchestrate pipelines with Cloud Dataflow and Azure Data Factory.

Environments: Java 8, Agile, HTML5, CSS3, JavaScript, Kafka, Angular 14, NodeJS, Bootstrap, JSON, Oracle, Hibernate, Spring Boot, Docker, Microservices, AWS, REST, JAX-RS, GCP,AZURE JUnit, MongoDB, JIRA, Maven, GIT, Jenkins, Unix, Elasticsearch.