YESITHA GAMAARACHCHI

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SUMMARY

Results-driven Software Engineer with 6 years of experience delivering scalable, secure, and high-performance software solutions. Specializes in Java 17, Spring Boot, Microservices, and AWS cloud services. Proven expertise in designing event-driven architectures, optimizing system performance, and implementing DevOps best practices to improve deployment efficiency and system reliability.

SKILLS

- **Programming Languages**: Java 17, Python, TypeScript, JavaScript, Node.js
- **Frameworks:** Spring Boot, Play Framework, Angular, Flutter, Ionic
- **Databases:** PostgreSQL, MongoDB, Redis, Apache Druid, Elasticsearch
- **Cloud Platforms:** AWS (EC2, S3, Lambda, CloudWatch), Docker, Terraform
- **Data Processing:** Apache Kafka, Apache Flink, Real-time Analytics
- **DevOps Tools:** Jenkins, GitHub Actions, Docker, Kubernetes, Linux, Git
- **Testing:** JUnit, Mockito, Jasmine, Karma, Integration Testing, Load Testing, Test Driven Development
- **Monitoring:** Grafana, Kibana, Graylog, Consul, Swagger OpenAPI
- **Methodologies:** Microservices Architecture, Event-Driven Architecture, Domain-Driven Design, Agile, Scrum

EXPERIENCE

SOFTWARE ENGINEER (Flutter)
Cherry | February 2025 - Present

- Developing a Flutter mobile application with BLoC state management, ensuring scalability and maintainability.
- Developing Flutter mobile application with BLoC state management for enhanced scalability and maintainability.
- Integrated Node.js APIs and Firebase Authentication ensuring secure data handling and user management.
- Mentored 3 junior developers on Flutter best practices and conducted weekly peer code reviews
- Implemented responsive UI components improving cross-device compatibility by 25 percent.

SOFTWARE ENGINEER
KARR | May 2024 - Auguest 2024

- Built Flutter mobile application with responsive UI design, improving application load times by 15%.
- Integrated REST APIs with backend services ensuring 98% uptime and seamless data flow.
- Applied Provider and GetX state management patterns for efficient application state handling.
- Optimized application performance by 20 percent through lazy loading, image caching, and widget rebuild reduction.
- Achieved 90% code coverage through comprehensive unit and integration testing, reducing production bugs by 15%.

SOFTWARE ENGINEER
Qbitum | October 2023 - April 2024

- Built high-performance Java Spring Boot microservices handling 2000 concurrent requests with response time under 200ms.
- Developed secure REST APIs with OAuth 2.0 authentication, reducing API-related errors by 35%.
- Authored comprehensive OpenAPI Swagger documentation, reducing API onboarding time by 50%.
- Designed real-time data processing pipelines using Kafka and Apache Flink for live analytics capabilities.
- Automated deployment processes using Docker, Terraform, and GitHub Actions, improving release frequency by 40%.
- Increased test coverage from 55 percent to 85 percent with JUnit and Mockito, reducing production bugs by 20%.

- Conducted load testing and performance profiling ensuring system stability under peak traffic conditions.
- Utilized Python NLP libraries to process customer feedback data, improving insights accuracy by 10%.

SOFTWARE ENGINEER
Solvi8 (formerly Zilingo) | *November 2018 - August 2022*
- Migrated legacy monolithic application to modular Spring Boot microservices architecture, reducing deployment time by 50%.
- Developed REST APIs integrating PostgreSQL, MongoDB, and Redis for real-time and historical data access.
- Implemented Kafka and Apache Flink pipelines processing factory data from over 100 sites with latency under 5 seconds.
- Optimized PostgreSQL database queries with Hibernate ORM, improving query performance by 15%.
- Built 30 reusable Angular components, reducing frontend development time by 40 percent.
- Implemented comprehensive monitoring using Grafana, Graylog, and Elasticsearch for microservices observability.
- Deployed containerized services via Docker and configured Consul for dynamic service discovery.
- Developed Ionic mobile application improving manufacturing operational efficiency by 15%.
- Led code reviews, sprint planning sessions, and architecture discussions shaping platform evolution.
- Established code quality standards and testing best practices adopted across 3 engineering teams.
- Achieved 85% code coverage using JUnit, Mockito, Jasmine, and Karma, reducing bugs by 30%.

EDUCATION

MASTER OF SCIENCE Advanced Computer Science
Leeds Beckett University
Leeds | September 2022 - October 2023 | Merit
BACHELOR OF SCIENCE Information Technology
Sri Lankan Institute of Information Technology
Colombo, Sri Lanka | January 2015 - February 2019 | (Hons)

CERTIFICATIONS AND LICENSES

- **Docker Foundation Professional Certificate Docker Inc -** https://tinyurl.com/6x46bmk
- **Java: Testing with Junit – LinkedIn learning -** https://tinyurl.com/s38vssz9