Adolfo Ernesto Custidiano Secchi

Senior Software Engineer/Engineer Manager

Personal Information

+44 (0) 7462934691
adolfoecs@gmail.com
West Ealing, London
Available for Hybrid and Remote working.

Links

https://github.com/caelcs
https://www.linkedin.com/in/adolfoecs/

Summary

With over 15 years in the industry, I'm a Senior Software Engineer specialised in backend development for enterprise applications. Alongside my passion for technology, I actively contribute to the OpenSource community and build a Home Lab HA cluster. I bring strong interpersonal skills, teamwork, positivity, proactivity, and a pragmatic, goal-oriented approach to my work.

Technical Skills

Advanced:

Java17	NoSQL	Tracing	Docker	Development
SpringBoot	MongoDB	Grafana	AWS	Debugging
Dropwizard	Redis	Loki	CloudFormation	Microservices
JPA	Kafka	Prometheus	Gatling	Code Reviews
Hibernate	Cassandra	CloudWatch	TDD	Source Control
SQL	CQRS	Kibana	Object-Oriented	Management
Postgres	Event Sourcing	CI/CD	Design	Cucumber
MySql	Multithreading	Flux	SDLC	
MariaDB	Monitoring	Kubernetes	Software	

Proficient:

Micronaut	NewRelic	Splunk	Kotlin	Scala

Soft Skills

Communication	Facilitator	Interpersonal Skills	User Requirements	Problem Solving
Good Clinical Practice (GCP)	Mentoring	Requirements Gathering	Workload Prioritisation	Technical Design
	Pair programming			Technical Specs
Technical Discussions	Self Learning	Team Motivation	People management	

Experience

Engineer Manager
10X Banking - September 2023 to the present day - Contractor

Role and responsibilities: As an Engineering Manager, my responsibilities include providing technical guidance to the team, planning and prioritising work to meet short, mid, and long-term goals, and collaborating with other teams for

cross-functional initiatives. I actively participate in design meetings to identify gaps in user test cases and manage people through tasks such as conducting one-on-one sessions, performance reviews, and assisting with career progression. Additionally, I contribute to coding new functionalities, writing tests, proposing improvements, prototyping solutions, and addressing defects.

Achievements: Since joining the team, I've significantly enhanced sprint stability, ensuring our ability to meet sprint commitments by accurately reflecting the workload in estimations. Previously, the team regularly carried over 20 points, but through my efforts, this has been reduced to a maximum of 5 points or even eliminated entirely.

Technologies: Java 17, Apache Kafka, CQRS, Docker, Kubernetes.

Methodologies: Agile, TDD, Communication, People management.

Senior Software Engineer
John Lewis Partners - January 2022 to August 2023 - Contractor

Role and responsibilities: As a Software Engineer, I specialise in designing and developing microservices, determining their integration within the ecosystem and selecting appropriate technologies. My responsibilities also include overseeing the deployment of services to production using continuous delivery pipelines and ensuring comprehensive testing coverage across all features. Additionally, as the Architectural Owner, I lead a team of four, managing the microservice ecosystem, analysing requirements, and presenting solutions to other teams.

Achievements: Successfully developed a standalone microservice from inception to production, leveraging Kinesis Stream to aggregate data from various sources into customisable reports. Conducted a comprehensive refactoring of tests in existing projects, achieving an 80% adherence to clean code standards, ensuring readability and maintainability. Spearheaded the adoption of stream-based architecture across the service ecosystem and orchestrated the seamless rollout of six microservices to production, resulting in minimal incidents and recognition for exemplary software delivery practices.

Technologies: Java 11, AWS Dynamo, AWS Kinesis, AWS S3, Docker, Kubernetes

Methodologies: Agile, TDD

Java Developer
NowTV (Sky) - August 2021 to December 2021 - Contractor

Role and responsibilities: Specialised in microservice application development, including the creation of testing libraries and facilitating the development of new microservices. Utilised Test-Driven Development (TDD) and Pair Programming to iteratively develop functionalities with comprehensive test coverage across all levels.

Technologies: Java 8, Dropwizard, Kafka, Cassandra, Hibernate using JPA2, Docker, Kubernetes. Gatling, Scala

Methodologies: Agile, TDD, Pair Programming.

Software Engineer
Mettle (Natwest) - March 2020 to August 2021 - Permanent

Role and responsibilities: Specialising in developing microservice applications, while also creating libraries to streamline testing processes and enable the development of new microservices. Adhering to Test-Driven Development (TDD) and Pair Programming practices as needed, ensuring comprehensive test coverage across all levels, including Unit, Integration, end-to-end (e2e), and Non-Functional Testing (NFT).

Achievements: Successfully developed and deployed five independent microservices from inception to production. Executed a comprehensive refactoring of end-to-end tests across multiple teams, ensuring alignment with the latest library versions allowing to improve new ways of writing the tests.

Technologies: Java 11, Spring Boot, Micronaut, Kafka, JPA2, Docker, Kubernetes.

Methodologies: Agile, TDD, Pair Programming.

Java Developer
NowTV (Sky) - July 2018 to March 2020 - Contractor

Role and responsibilities: Focused on developing microservice applications and creating testing libraries to streamline processes and enable the creation of new services. Utilising Test-Driven Development (TDD) and Pair Programming to iteratively develop functionalities and ensure comprehensive test coverage across all levels, including Unit, Integration, end-to-end (e2e), and Non-Functional Testing (NFT).

Achievements: I spearheaded the creation of multiple Kotlin-based microservice prototypes leveraging Kafka for enhanced performance and scalability, enabling robust recovery mechanisms and endpoint optimisation. Developed an alternative test library to replace the Make it Easy library, assuming sole responsibility for its implementation, enhancing test instance creation efficiency. Additionally, engineered a Gitter8 template facilitating the rapid generation of microservices, complete with essential CD pipeline setup and seamless deployment via Jenkins, Kubernetes, and Docker, resulting in a significant reduction in development time from two sprints to just two hours.

Technologies: Java 8, Dropwizard, Kotlin, Kafka, Cassandra, Hibernate using JPA2, Docker, Kubernetes. Gatling, Scala.

Methodologies: Agile, TDD, Pair Programming.

Java Developer
YOOX (NET-A-PORTER GROUP) - September 2017 to July 2018 - Contract

Role and responsibilities: I specialised in developing microservice applications for seamless integration with third-party gift card provider APIs, ensuring robust support for high availability through connections to multiple servers and incorporating retry logic to handle failures effectively. My role focused on creating a resilient system capable of maintaining uninterrupted service delivery despite potential challenges.

Achievements: Successfully integrated high availability and retry logic into critical processes, utilising Hystrix for server connections and Spring Integration for enhanced fault tolerance.

Technologies: Java Core, Spring Boot, Hibernate using JPA2, Spring Integration, OAuth 2, Gradle, Docker, Docker Swarm.

Methodologies: Agile, TDD, Pair Programming.

Java Developer
NowTV (Sky) - February 2016 to September 2017 - Contractor

Role and responsibilities: I assumed responsibility for developing two applications through extensive coding efforts: one facilitating access to Salesforce data (API microservice), and the other serving as a UI application using React JS. Additionally, I spearheaded the development of auxiliary applications to simplify development processes and enhance the configuration of Salesforce. Furthermore, I oversaw a team of three developers, ensuring their adherence to tasks such as feature development, collaborative work, code review, and strategic planning.

Achievements: Successfully developed a microservice and UI application to centralise credentials and facilitate configuration migration across diverse Salesforce environments. Spearheaded the prototype development of a React JS frontend as a replacement for the existing interface. Played a pivotal role in mentoring Salesforce developers on agile methodologies and Test-Driven Development (TDD), resulting in an 80% increase in code coverage, while also implementing and managing CI environments and tools like Git, Ant, and Cucumber, doubling the delivery efficiency

through the adoption of a CD pipeline. Additionally, orchestrated the setup of Docker and Kubernetes for skeleton app deployments.

Technologies: Java 8, Spring Boot, Gradle, Mongo DB, OAuth 2, Bootstrap, React JS and Redis, Docker, Kubernetes

Methodologies: Agile, TDD, Pair Programming.

Java Developer
Capita Employee Benefits - November 2013 to February 2016 - Permanent

Role and responsibilities: Responsible for coding an innovative web application showcasing the features of the pension and contribution platform to potential clients through prebuilt demonstrations. Facilitated data creation to ensure availability for companies with employees. Contributed to migrating a monolithic web application by decomposing it into several microservices.

Achievements: Conducted research and assessment of various CMS implementations to establish a robust system for storing static and dynamic resources, as well as implementing data versioning and content workflow publishing, primarily utilising MongoDB and Modeshape. Engineered a Gradle Plugin to seamlessly integrate Redis into the project, eliminating the need for properties files and enhancing efficiency. Modified an existing Gradle plugin to compile SASS during the build process, optimising development workflows. Successfully integrated a third-party provider, consuming an API and implementing OAuth 2 authentication. Led the migration of a WAR application to a Single Jar application using Spring Boot, enhancing deployment efficiency and performance.

Technologies: Java Core, Spring Core, Spring MVC, Spring Boot, Hibernate using JPA2, Apache Camel, Gradle, SASS, Modeshape, Mongo DB, Jersey, Apache Velocity.

Methodologies: Agile, TDD, Pair Programming.

Scala Developer
Dod's Parliamentary Communications Ltd - July 2013 to September 2013 - Contractor

Role and responsibilities: Responsible for developing new features and addressing bugs in a backend application that combines Scala with various Java frameworks. This application serves as a secure REST API consumed by the frontend application, with the primary objective of collecting data from diverse sources for editing, publishing, and distributing information.

Achievements: Developed the complete Email Campaign Module responsible for sending emails to customers. Conducted research and assessment of various Scala and Java Template Engines to meet business requirements, building prototypes to evaluate integration with Scala, flexibility, and template file externalisation allowing the company to edit and save templates without requiring a deployment. Implemented REST API Documentation using Swagger to create a comprehensive site for testing all endpoints.

Technologies: Scala, Spring Core, Spring MVC, Hibernate using JPA2, Apache Camel, Maven, Apache Solr, MySQL, Jersey, Jasig CAS, Apache Velocity, Freemarker, Swagger, Apiary.io.

Methodologies: Agile, TDD.

Certifications
- Certified Scrum Master
- Scrum Alliance License 000096816 July 2010
- Spring Core – course provided by Spring Source

Honors and Awards

- Employee of the Month - May - TCS Consulting

Education

Universidad Nacional del Nordeste
Bachelor in Systems Analysis
1997 - 2002
Grade: 8.0/10.0