
Everton Mendonça de Jesus

Senior Software Engineer

AWS Certified Solutions Architect

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Main Skills

I am a Senior Software Engineer with extensive experience in designing and developing scalable, distributed, and resilient systems. Proven expertise in cloud computing (AWS, GCP), microservices, event-driven architectures, and large-scale system design.

With +15 years of experience in software development my technical expertise includes Java (main experience), Python, Go, Node.js, Spring Boot, Kafka, RabbitMQ, IBM MQ, SQS, Pub/Sub, Kubernetes, Docker, Terraform, CloudFormation, SQL, NoSQL, Big Data, and machine learning.

Skilled in both backend and frontend development, I have significant experience in modern frameworks such as React, VueJS, and Angular, creating responsive and intuitive user interfaces that enhance user experience and performance.

Tech Expertise

Software Development & Architecture

- Java, Python, Go, Typescript
- Spring Boot, Spring Batch, REST APIs, gRPC
- Kafka, RabbitMQ, IBM MQ, SQS, Pub/Sub

Cloud & DevOps

- AWS (Lambda, DynamoDB, S3, ECS, EKS, SQS, SNS)
- Kubernetes, Docker, Terraform, CloudFormation
- GCP, Azure

Data & Machine Learning

- SQL, NoSQL (PostgreSQL, DynamoDB, MongoDB)
- Big Data (Spark, Databricks, BigQuery)
- ML & AI (TensorFlow, Scikit-Learn, NLP, Fraud Detection)

Frontend Development:

- React, VueJS– Designed and developed modern, responsive user interfaces and components, ensuring optimal user experience and performance.

Experience

Thoughtworks / Lead Consultant Developer

Apr 2025 – Current, Porto Alegre - RS (Remote)

Working as consultant to one of the biggest U.S. industrial equipment supplier. The main objective of the project is to modernize and improve internal systems and website.

Universidade Católica do Salvador/ Teacher

Feb 2024 – Current, Salvador – BA / Part time

Teacher in IT related courses Software Engineering and Development and Systems Analysis.

Subjects:

- Big Data & Analytics
- Advanced Software Engineering (Recent topics about software engineering)

iFood / Staff Software Engineer

May 2024 – Feb 2025, São Paulo - SP (Remote)

I worked in the Quality Engineering (QE) team, and before that, in the Resilience team. In QE, my focus was on strategies to enhance the quality and reliability of iFood's systems. We ensured our services delivered the best experience for millions of users by leveraging advanced test automation, continuous monitoring, and quality metrics analysis.

With this combined experience, I consistently improved system reliability through quality engineering practices, advanced testing, and observability, always anticipating and mitigating potential impacts on user experience.

I regularly worked with tools such as **Kubernetes, Litmus Chaos, Grafana K6, Databricks, Kafka, Istio, among many others.**

Besides that, I volunteered to perform technical interviews to software engineer candidates and mentored other developers.

Itau Unibanco / Tech Lead - Software Engineer

April 2021 – May 2024, São Paulo - SP (Remote)

My role as Tech Lead involved designing and proposing solutions to migrate legacy systems to AWS Cloud. We handled large financial data files for batch processing, emphasizing high performance, fault tolerance, and ensuring deduplication to maintain stability and customer satisfaction.

I contributed to designing architectural solutions utilizing AWS, creating effective development patterns and processes.

Additionally, I managed the development processes and ensured timely deliveries. My responsibilities also included mentoring other developers and guiding the squad to meet established goals.

Our primary solution consisted of Java microservices built for payment applications deployed on AWS using EKS. We integrated these services with Kafka, SNS, SQS, DynamoDB, and several other AWS services.

Capgemini / Software Engineer

June 2020 - March 2021, Salvador - BA (Remote)

Development of Java microservices for **Bacen's PIX project**. This involved integrating with various services and systems, including CWS (Cobol Mainframe), IBM MQ queues, DB2 databases, and other applications.

My work ensured seamless communication and data exchange between these components, contributing to the project's overall success.

Fluent Tech Studio / Software Engineer

April 2017 - June 2020, Sao Paulo - SP (Remote)

Developed Backend as a Service APIs using Java, NodeJS, Angular, React, and VueJS.

Implemented REST APIs, API Gateway integrations, and multi-threaded applications. Developed frontend features extensively using React and VueJS, building responsive, interactive, and user-friendly interfaces.

Backend development using Express and other frameworks (NodeJS). Development of Backend API Services (Backend as a Service) including CMS systems, Payment services, Datsko management, among others. Development of a Telegram bot using Natural Language Processing with Rasa framework and speech-to-text APIs with Google Cloud Speech API.

SPA SALUTE BAHIA / Software Engineer

May 2014 - Fev 2017, Camacari - BA

Developed robust backend systems using PHP with the Yii framework and MySQL databases for a health-focused mobile application on both Android and iOS platforms. Created and managed scalable environments in Amazon Web Services (AWS), utilizing EC2 and RDS instances. Configured and maintained high-performance web servers, including Apache and Nginx. Built a reliable video streaming solution using AWS CloudFront.

Additionally, integrated email marketing APIs such as AWeber and Mailchimp to enhance user engagement. Designed and maintained RESTful web services to ensure seamless communication between

GRANTI / Software Engineer

April 2012 - Fev 2014, Salvador - BA

Development and maintenance of a consultancy system for industries using Java and SQL Server and Oracle databases. The system comprised various modules such as Incident Control, Document Management (GED), Indicators, Quality, and more.

I ensured the system's robustness and efficiency, integrating multiple functionalities to meet the diverse needs of industrial clients

To avoid having a too extensive Resumé, I've omitted some previous experiences. If asked, I can add it later.

Education

Universidade Federal da Bahia / PhD in Computer Science

October 2017 - Unfinished, Salvador - BA

The focus of my project is to apply machine learning and deep learning techniques to the analysis of public and restricted health data to extract insights and analyze trends that can help improve public health indicators.

Papers published: [1], [2], [3] and [4]

Universidade Federal da Bahia / M.Sc.

August 2014 - December 2016, Salvador - BA

Master's in computer science studying distributed and parallel systems.

Project title: Adaptation and Evaluation of Virtual Screening in Hybrid parallel Architectures

My project consists of implement a Virtual Screening tool (Pharmaceutical Process) to use GPUs from NVidia aiming to find an improvement of performance. I am also studying some

topics about Apache Spark, Machine Learning and Context-Aware Applications

Paper published: [5]

Universidade Salvador / Specialization in Software Engineering

October 2012 - September 2014, Salvador - BA

Concepts about software engineering, best practices and software modeling.

Universidade Católica do Salvador / Bachelor of Computing in Computer Science

February 2005 - December 2009, Salvador - BA

Concepts about software engineering, best practices and software modeling.

Certifications

- **Certification: AWS Certified Solutions Architect – Associate by Amazon Web Services (AWS)**
Expiration: October 2023 - October 2026
https://www.credly.com/badges/1a4a2b14-fc6b-4e2f-afd9-9d20a64be8d8/public_url
- **Certification: AWS Certified Cloud Practitioner by Amazon Web Services (AWS)**
Expiration: August 2023 – August 2026

Awards and Publications

- [1] Paper “**Birthweight, gestational age and familial confounding in sex differences in infant mortality: a matched co-twin control study of Brazilian male-female twin pairs identified by population data linkage**” published at International Journal of Epidemiology in November 2021.
- [2] Book chapter “**Inteligência artificial e COVID-19**”, in book: “Construção de conhecimento no curso da pandemia de COVID-19: aspectos biomédicos, clínico-assistenciais, epidemiológicos e sociais” published by Rede Covida in 2020.
- [3] Paper “**Matched-Pair Analysis Using Machine Learning to Predict 1-year Mortality in Newborn Twins**” presented at 20th Brazilian Symposium in Computer Science applied to Healthcare. (SBCAS 2020), Salvador, 2020.
- [4] Paper “**Sex Differences in Infant Mortality: A Population Data Linkage Study of Brazilian Male-Female Twin Pairs**” in International Journal for Population Data Science 2020.
- [5] Paper “**Accelerating docking simulation using multicore and GPU systems**” presented at 17th International Conference on Computational Science and Applications (ICCSA 2017), Trieste, 2017.

Tech Expertise

Strong Skills:

- **Scalable & Distributed Systems:** Built and optimized platforms handling millions of transactions per day.
- **Resilience:** Chaos Engineering (Litmus Chaos, Istio), Load Testing (Grafana K6).
- **Cloud Computing & DevOps:** **AWS, Kubernetes, Terraform.**
- **Observability & Monitoring:** **Grafana, DataDog, Splunk, LogZ, Jaeger, CloudWatch.**
- **Backend Development:** **Java (Spring Boot), NodeJS, Python, Go.**
- **Data Engineering & Processing:** **Databricks, SQL, PL/SQL (Oracle), NoSQL (PostgreSQL, DynamoDB, MongoDB), BigQuery.**
- **Application & Design Architectures:** Hexagonal, Clean Architecture, Event-Driven, Microservices-based architectures.
- **Messaging & Event Streaming:** **Kafka, RabbitMQ, SQS, Pub/Sub.**
- **CI/CD & Automation:** GitHub Actions, GitLab CI/CD, Jenkins.
- **Technical Leadership & Mentorship:** Led engineering teams, code reviews, training.

Languages

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- Portuguese: Native
 - English:
 - Writing: Advanced
 - Listening: Advanced
 - Talking: Advanced
 - TOEFL ITP: 597 (B2 Level) - November/2017
 - French: Basic
 - Spanish: Intermediate