

Salvador Silva

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Software Developer

Software developer with **over two years of experience**, specializing in **scalable, high-performance distributed** backend systems in **Scala**. Passionate about **system design** and bridging the gap between **technical** and **business** teams to ensure aligned, impactful solutions.

Skills

Programming Languages: Scala | Java | C | C# | Python | HTML | CSS | JavaScript | Bash

Frameworks & Libraries: Akka | Play | Lagom | Kafka | Quill

Databases: PostgreSQL | Couchbase | Elasticsearch | Cassandra

Tools & Technologies: Amazon Web Services | Docker | Git | JIRA | Kubernetes | Terraform | Mirakl | Liquibase | Grafana | Prometheus | OpenSearch | Postman | Insomnia

Work Experience

Worten, Remote

Apr 2023 – Present

Leading electronics and e-commerce retailer in Portugal with over €1 billion in annual revenue.

Software Developer (Consultant through **Adentis**)

- **Design, develop** and **maintain** Worten's backend microservices on **AWS**, using **Scala**, **Akka**, and **Lagom** with the **Play** framework. The services support over **4 million** monthly users, **200k** daily active customers and **2000** sellers, handling **millions** of offers and transactions.
- **Led a development initiative**, collaborating with cross-functional teams to gather and align requirements, delivering **25% ahead of schedule**.
- Designed and implemented a **document generation** service to provide sellers with detailed payout information, **reducing invoice support tickets by 89%** within a year.
- Implemented an end-to-end monitoring system with **Prometheus** and **Grafana** to track metrics for **PostgreSQL**, **Kafka**, **RESTful APIs**, and **Kubernetes**, increasing observability coverage by **70%**.

Capgemini, Lisbon, Portugal

Sep 2022 – Mar 2023

Leading global consulting, technology, and outsourcing company with €18 billion in annual revenue.

Software Development Intern

- **Conducted quality assurance** for the Portuguese Institute of Quality's website by performing validations, testing, and interface improvements with **HTML**, **CSS**, and **Bootstrap** to ensure compliance with quality standards.
- Completed the **Java & Cloud Academy** with an average **score of 92%**, a series of structured training programs covering **C#**, **Java**, **PL/SQL**, **HTML**, **CSS**, and **cloud development**.
- Earned **Microsoft Azure Fundamentals** and **Azure Developer Associate** certifications, building a strong foundation in **cloud technologies**.

Education

ISCTE, Lisbon, Portugal

Sep 2020 – Jun 2023

Bachelor's Degree in Computer Engineering

Grade: 16/20

- Awarded the **ISTA Top Talent Award** (Top 10%).
- **Worked part-time and full-time** throughout the course of the degree.

Projects

Octrees

Development of a **Scala application** that allows loading and viewing of graphical models from a text file using **View Frustum Culling** with **Octrees**.

BubbleShellSort

Creation of a **linear time sorting algorithm**, implementing the **Shellsort** algorithm in a linked list, based on a **Bubblesort** variant.