

# Salvador Silva

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## Software Developer (Backend)

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 | Miraki | Liquibase | Grafana | Prometheus | OpenSearch

## Work Experience

### Worten, Remote

**April 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 that 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

**Sept 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

**June 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.