

Paulo Jerônimo's CV

Online version: <https://paulojeronimo.com/cv/en/cv.pdf>

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Personal Details

Paulo Jerônimo is a software developer, consultant, author, instructor, and speaker in conferences. Develops in [some programming languages](#) with [security in mind](#) and using tools running under open source or proprietary platforms. Currently [developing some projects](#) to run in the [Ethereum Blockchain](#). Operating in the corporate market since 1993, produces solutions using open source softwares and agile practices. Has extensive experience in architecture, development, and infrastructure to meet the non-functional software requirements in mission critical, scalable, fault-tolerant, run by clusters of application servers in public or private computing clouds. Broad experience on leadership of high skilled teams and on mission critical assignments, capable of working effectively under pressure and able to operate independently. Has ability to influence and mentor the team and capable of developing compelling business solutions to meet customers strategic needs. Vast experience on enterprise strategy definition, solution architecture, usage model definition, deployment and rollout of agile software development process and tools for architecture, design, planning, development, ALM, and DevOps. Strong actuation as a consultant on middleware environments based on [JBoss EAP](#), [Wildfly](#), [Apache HTTP](#), [Apache Tomcat](#), [IBM WebSphere](#), [Oracle WebLogic](#), and [GlassFish](#). Has experience in [Docker](#), [Kubernetes](#), [OpenShift](#), [OpenStack](#), [Keycloak](#), [UAA](#), [CloudFoundry](#) and Big Data tools like [ELK Stack](#), [Apache NiFi](#) and [Spring Cloud Data Flow](#). Capable to define strategy for installation, optimized sizing and configuration, administration best practices, deployment automation, topology design, and as a best practices mentor on troubleshooting, performance analysis and performance tuning. Experient trainer with more than 3,400 hours delivered in [presential training classes](#) to many customers where the main topics taught included was Software Architecture, Test Driven Development, [Java EE](#) Development and JBoss Administration.

Contacts

 Mobile Phone/WhatsApp: +55 61 99807 3864 |  Skype: paulojeronimo

WebSites

Active: [paulojeronimo.com](#), [Finisher.Tech](#) | Inactive: [Lado Servidor](#)

Social Media

 LinkedIn: <https://www.linkedin.com/in/paulojeronimo/>

 GitHub: <https://github.com/paulojeronimo>

 Twitter: <https://twitter.com/paulojeronimo>

 YouTube: <https://www.youtube.com/user/paulojeronimo74>

Location

[Brazil/Brasilia](#)

🔧 Technical Skills

Currently using: *Virtualization, containers, cloud platforms and DevOps:* Microsoft [Azure](#), Amazon [AWS](#), Google Cloud Platform ([GCP](#)), [OpenStack](#), [Docker](#), [Kubernetes](#), [OpenShift](#), [Git](#), [GitLab](#), [GitHub](#), [BitBucket](#), [Gradle](#), [Nexus](#), [Jenkins](#), [Travis CI](#), [Ansible](#), [VMware](#), [VirtualBox](#), [KVM](#), [Vagrant](#); *Operational systems:* [macOS](#), [Fedora](#), [RHEL](#), [CentOS](#), [Ubuntu](#), [Arch Linux](#); *Agile Methodologies and practices:* [Extreme Programming](#), [Scrum](#), [Kanban](#), [Continuous Integration](#); *Programming languages:* [Java](#), [Groovy](#), [Kotlin](#), [JavaScript](#), [TypeScript](#), [Python](#), [Ruby](#); *Testing:* [TDD](#), [BDD](#), [Integration Testing](#), [Acceptance Testing](#), [JUnit](#), [JMock](#), [Mockito](#), [Arquillian](#), [Cucumber](#), [Selenium](#), [Spek](#), [Spock](#), [Mocha](#), [Chai](#), [Jest](#); *IDEs:* [IntelliJ](#), [Visual Studio Code](#); *Java development frameworks:* [Java EE](#), [Hibernate](#), [Spring](#), [Spring Boot](#); *API development:* [Swagger](#), [Postman](#), [GraphQL](#); *Web development:* [HTML](#), [CSS](#), [Sass](#), [Styled Components](#), [Node.js](#), [npm](#), [yarn](#), [React](#), [Next.js](#), [Angular](#), [Puppeteer](#), [Python](#), [Django](#), [Jinja](#), [WebSocket](#); *Mobile development:* [Kotlin](#), [React Native](#); *Databases:* [Oracle](#), [PostgreSQL](#), [MongoDB](#); *Documentation:* [UML](#), [AsciiDoc](#), [Asciidoctor](#); *Command line:* [Bash](#), [sed](#), [awk](#), [curl](#), [HTTPie](#), [jq](#); *Blockchain development:* [Ethereum](#), [Solidity](#); *Configuration languages:* [JSON](#), [YAML](#), [Dhall](#); *Middleware and Big Data:* [Apache Tomcat](#), [JBoss EAP](#), [Wildfly](#), [Apache HTTP](#), [Ngnix](#), [RabbitMQ](#), [Kafka](#), [ELK Stack](#), [Apache NiFi](#), [Spring Cloud Data Flow](#); *Security:* [OpenSSL](#), [GnuPG](#), [Passbolt](#), [Spring Security](#), [OAuth](#), [OIDC](#), [Keycloak](#); *Tools:* [Vim](#), [Tmux](#), [Jira](#), [SonarQube](#);

Studying: [Vyper](#), [Scala](#), [Go](#), [Haskell](#), [Rust](#);

Turning deprecating (using only to maintain existing software if needed): [XML](#), [XSLT](#), [Markdown](#), Old versions of [JBoss AS](#) and [Tomcat](#), [Struts](#), [Ant](#), [Maven](#), [AngularJS](#), [Subversion](#), [NetBeans](#), [Eclipse](#), [Windows](#), [Debian](#), [Fedora](#), [C/C++](#), [Pascal](#), [Delphi](#).

Professional Experience

Senior Software Architect at ília

 July 2020 to Present

 Working as a Software Architect at [ília](#).

Working at [Caixa Seguradora](#) focused on creating [RH-SSO](#) ([Keycloak](#)) software extensions. Basically, the things that I created to this project was written in [Bash](#) and [Java](#) and the last extension that I created built an integration between [Keycloak](#) and an **Interactive Voice Response** (IVR) system.

Some non related projects that I created in a open source way only to study or explore more about some [Keycloak](#) features that I'm using in my customizations, are exposed in these links:

- <https://github.com/paulojeronimo/keycloak-robot-integration-demo>
- <https://paulojeronimo.com/keycloak-robot-integration/>
- <https://paulojeronimo.com/rh-sso-manage-users/>
- <https://paulojeronimo.com/keycloak-labs/>
- <https://paulojeronimo.com/keycloak-matrix/>
- <https://paulojeronimo.com/responsabilidades-keycloak>

Founder at Finisher.Tech

 October 2019 to Present

 Founder at [Finisher.Tech](#).

[Finisher.Tech](#) is a personal project where I put my efforts to develop software using technologies like [Blockchain](#), **Artificial Intelligence** and **Data Visualization** to produce apps to the wellness area.

Here I'm creating apps using tools like [React](#), [React Native](#), [Kotlin](#), [Solidity](#) and [Vyper](#).

Some links about it:

- <https://paulojeronimo.com/tw-metas>
- <https://j.mp/FTFreeWeeks1>
- <https://j.mp/FTFreeWeek1>
- <https://finisher.tech/slides/projeto.html>
- <https://finisher.tech/slides/projeto.A4.9slides.pdf>
- <https://finisher.tech/>

Software Developer at Integer

📅 February 2018 to February 2019

👤 Working as a Software Developer at [Integer](#).

📅 April 2018 to February 2019

Through this company and its partner ([Novabase](#)), I am working as a software developer for [Thales Group](#) developing solutions at [Thales Ground Transportation System](#).

- I worked (as an software architect and also as developer) on team focused on developing software to transportation using [Spring Boot](#) and Pivotal [CloudFoundry](#) solutions.
- I did some study to produce comparison between technologies like
 - [Apache NiFi](#) vs [Spring Cloud Data Flow](#) ...
 - <https://github.com/paulojeronimo/apache-nifi-tutorial>
 - <https://github.com/paulojeronimo/apache-nifi-cluster-alternatives>
 - <https://github.com/paulojeronimo/spring-cloud-dataflow-tutorial>
 - <https://github.com/paulojeronimo/vagrant-nifi-cluster>
 - [Keycloak](#) vs [UAA](#) ...
 - <https://github.com/paulojeronimo/keycloak-spring-boot-tutorial>
 - <https://github.com/paulojeronimo/keycloak-resource-server-demo>
 - <https://github.com/paulojeronimo/uaa-tutorial>
 - <https://github.com/paulojeronimo/oauth-uaa-sample>
- I also created some little projects to explain some techs to my colleagues ...
 - <https://github.com/paulojeronimo/gs-rest-service-aws>
 - <https://github.com/paulojeronimo/gs-rest-service-provision-scripts>
 - <https://github.com/paulojeronimo/gs-rest-service-certificate>
 - <https://github.com/paulojeronimo/my-openssl-ca>
 - <https://github.com/paulojeronimo/confluence-asciidoc-integration-alternatives>

Java Instructor at Oracle

📅 September 2017 to January 2018

👤 Through [my company](#), I acted as a Java Instructor at [Oracle](#).

I ministered [official Oracle Java courses](#).

You can see my complete list of delivered training in the topic "[Delivered courses](#)".

📁 Things that I used in my works:

Technologies	Tools	OS
Java SE 8	Bash, Vim, NetBeans	Oracle Linux

🔗 Some pieces of my works, available on [my GitHub account](#): [\[java-fundamentals-examples\]](#).

Senior Consultant at Red Hat

📅 October 2016 to January 2018

👤 Through [my company](#), I acted as a Senior Consultant at [Red Hat](#).

- 📅 October 2016 to August 2017:

- I was allocated in [B3](#) customer (📍 [São Paulo](#)) (previously called [Cetip](#)). My primary work on this customer was migrate several [Java EE](#) and [Spring](#) applications between different [JBoss EAP](#) versions (from 5 to 6.4). Also, I created all the new environments (local development, integration, [UAT](#) and production) for these applications.
- I developed a project called [\[jboss-domain-mode-scripts\]](#). It is a framework (written in Bash) to install [JBoss EAP](#) (domain mode) on [RHEL](#). Some pieces of this project is available in [my account on GitHub](#) with an [extensive documentation \(in pt-br\)](#).

- 📅 May 2017 to July 2017:

- [Wallace Araujo](#) and I did a migration of several [Java EE](#) applications in [Previ](#) customer (📍 [Rio de Janeiro](#)). These migrations were done for applications running on [JBoss EAP](#). The main goal was to migrate these apps from [JBoss EAP](#) 6.1 to version 6.4. To achieve this goal, we did a lot of code refactorings, [Maven](#) POM and [Jenkins](#) configurations updates. Also, we built all the new environments (from local development to production).

- 📅 April 2017 to May 2017:

- I built a PoC that implements a [User Storage](#) for [RHSSO](#) 7.1. This was built for [Ancine](#) customer (📍 [Rio de Janeiro](#)) (a Brazilian government agency). In this PoC the objective was importing users (and roles) from an external database (Oracle) to permit authentication and authorization from it, as well from Active Directory (at the same time).

- 📅 March 2017:

- I did a big effort to migrate a [Java EE](#) monolithic application from [Oracle WebLogic](#) to [JBoss EAP](#) 7. Unfortunately, I was unsuccessful because many components from this application were very old and it would need to be upgraded before this migration. The budget for this project wasn't estimated for this task.

🧰 Things that I'm using in my works:

Technologies/ Frameworks	Tools	Middleware	Databases	OS
Java EE (versions from 5 to 7), Spring , VRaptor , Struts	Vim , Bash , Ant , Maven , Nexus , Jenkins , JBoss Developer Studio , Vagrant , Docker	JBoss EAP (versions from 5 to 7), RHSSO 7.1 , Apache HTTP mod_cluster , Ngnix	Oracle Database , Oracle XE , IBM Db2 , Microsoft SQL Server	RHEL , macOS

🔗 Some pieces of my works, available on [my GitHub account](#): [\[jboss-scripts\]](#), [\[jboss-domain-mode-scripts\]](#), [\[poc-vraptor-jboss-cluster\]](#), [\[struts2-crud-example\]](#), [\[docker-rhel-nexus\]](#), [\[docker-oracle-xe\]](#).

Project Manager at Cembraspe

📅 [October 2015 to September 2016](#)

👤 [Cembraspe](#)

I led a small team (some few developers and DevOps guys). We designed a Computer Based Test (CBT) solution (programmed in [Node.js](#) to run on [Docker](#) containers).

Middleware Specialist at Tecnisys

📅 [February 2015 to September 2015](#)

👤 [Tecnisys](#)

[Tecnisys](#) is a [Red Hat](#)'s partner. When I was working there, also, an [IBM](#) partner.

I worked for this employer offering consulting and training services on Red Hat's Linux, middleware and cloud products, including the following servers / solutions: [OpenStack](#), [OpenShift](#), [JBoss EAP](#), [Wildfly](#), [JBoss ESB](#), [JBoss Fuse](#), [JBoss Data Virtualization](#), [JBoss AMQ](#), [JBoss Developer Studio](#), [JBoss BPM Suite](#), [JBoss BRMS](#).

I also did some works related to IBM products: [IBM Worklight](#).

To their customers, I recommended, specified and developed scalable architectures using these products.

I helped the sales team, acting as a pre-salesman (technical) when necessary.

Some tasks completed on customers:

- [Celepar](#) 📍 [Curitiba](#):
 - I wrote a PoC to show how to use the native management interface for Wildfly via a Java program. This PoC has published in the [\[wildfly-native-management-api-sample\]](#) GitHub repository.
- [Secretaria do Tesouro Nacional](#) 📍 [Brasília](#):
 - I was responsible to integrate [JBoss Fuse](#) with [Keycloak](#). This solution was published in the

[\[gerador-jboss-bpmsuite-keycloak\]](#) GitHub repository.

- I taught the customer team about how to use the [Arquillian](#) and [Forge](#) development tools. I did it, in a course, when I wrote the publication "[Java EE application tests with Arquillian](#)".

JBoss Instructor at Red Hat

📅 September 2014 to January 2018

👤 Through [my company](#), I acted as a JBoss Instructor at [Red Hat](#).

Currently, I'm [Red Hat Certified Instructor](#) (RHCI). I ministered [official Red Hat courses](#). My teaching focus was in [Red Hat JBoss Enterprise Application Platform \(EAP\)](#).

You can see my complete list of delivered training in the topic "[Delivered courses](#)".

Java EE Architect at Ministério da Justiça

📅 September 2014 to March 2015

👤 [Ministério da Justiça](#)

I was hired by [UNDP](#) as a [Java EE](#) consultant to build the architecture for [SISLEGIS application](#) and guide the development team to use [Java EE](#) best practices.

The SISLEGIS is an [open-source software](#) that aims to meet the needs of the [Secretariat of Legislative Affairs](#) of the [Ministry of Justice](#).

I was also responsible for acting on various issues, from the development of the application until its publication in the production environment.

Some available SISLEGIS components in its GitHub account:

1. Backend ([Java EE](#)): <https://github.com/pensandoodireito/sislegis-app>
2. Frontend ([AngularJS](#)): <https://github.com/pensandoodireito/sislegis-app-frontend>
3. Environments for execution:
 - a. <https://github.com/pensandoodireito/sislegis-ambiente-centos> (CentOS)
 - b. <https://github.com/pensandoodireito/sislegis-ambiente-fedora> (Fedora)
 - c. <https://github.com/pensandoodireito/sislegis-ambiente-ubuntu> (Ubuntu)

The SISLEGIS application has, also, a [website](#) that documents its characteristics. However, it was not updated after I left the project, and because of that, the best documentation is actually your code.

📦 Things that I was using on this project:

Technologies/ Frameworks	Tools	Middleware	Databases	OS
Java EE 6, XStream, AngularJS	Vim, Bash, Ant, Maven, Nexus, VirtualBox, Vagrant, Docker, OpenShift, Eclipse, JBoss Tools	Wildfly 8, Keycloak 1.2	PostgreSQL	macOS, CentOS, Fedora, Ubuntu

🔗 Some pieces of my works, available on [my GitHub account](#): [\[sislegis-app\]](#), [\[sislegis-app-frontend\]](#), [\[sislegis-ambiente\]](#), [\[sislegis-ambiente-ubuntu\]](#), [\[sislegis-ambiente-fedora\]](#), [\[sislegis-ambiente-centos\]](#).

Middleware Specialist at +2x

📅 June 2013 to June 2014

👥 +2x

Acting for clients of the company, developing activities related to supporting for Linux servers (CentOS, RHEL, Debian) and middleware running Apache HTTP, Ngnix, Apache Tomcat or JBoss EAP. Supporting for applications written in Python, PHP, and Java. My main tasks were:

- Installation, configuration, administration, monitoring, tuning RHEL servers (versions 4-6) and JBoss EAP (versions 4-6).
- Deployment of applications (via scripts that I created for this task).
- Development of scripts for automation tasks (using Bash and Python).
- Configuration of web servers, clusters (RHEL and JBossEAP) and load balancers (HAProxy, Ngnix, Apache HTTP, mod_proxy, mod_proxy_balancer, mod_cluster, etc).

I did these tasks in this periods/clients:

- 📅 January 2014 to June 2014: I was allocated on Caixa Econômica Federal (CEF). CEF is the second largest public bank of Brazil.
- 📅 June 2013 to December 2013: I was allocated on TRF-1. TRF-1 is a court of justice.

🧰 Things that I used on these works:

Technologies/ Frameworks	Tools	Middleware	Databases	OS
Java, PHP, Python, Java EE (versions up to 6), Spring, Struts	Vim, Bash, Ant, Maven, Nexus, Jenkins, Eclipse, JBoss Tools	JBoss EAP (versions up to 6), Apache HTTP, mod_cluster, mod_proxy, mod_proxy_balancer, Ngnix, HAProxy	Oracle Database, Oracle XE, PostgreSQL	RHEL, CentOS, Debian, Fedora

Java EE Architect at Capes

📅 January 2013 to June 2013

👤 Capes

Participation in project development (Java EE) for the financial area of Capes, assisting in the implementation of a methodology of tests for applications (Test Drive Development (TDD)/ Behavior Driven Development (BDD)).

Websphere Specialist at IBM

📅 August 2011 to June 2012

👤 IBM

I worked in the IBM WebSphere team as a consultant/expert in WebSphere Application Server (WAS) and IBM Business Monitor (used to do Business Activity Monitoring (BAM)). Main activities performed:

- **Caixa Econômica Federal** (📍 Brasília and 📍 Osasco): Installation of IBM Business Monitor and development of the BAM project.
- **Arcelor Mittal Vega** (📍 São Francisco): Consulting in WAS.
- **Bradesco Seguros** (📍 Rio de Janeiro): Consulting in WAS.

Middleware Specialist at Algar

📅 December 2010 to April 2011

👤 Algar Tecnologia

I worked in consulting and support services for JBoss, Oracle and Apache application servers, for CNPq client (📍 Brasília). Main responsibilities:

- Migration of Oracle server applications to JBoss.
- Tuning of servers in production.
- Installation of products for monitoring.

- Performance analysis of applications.
- Load and stress tests.
- Support to production, homologation and development environments.

JBoss Specialist at Ambima

📅 January 2008 to April 2009

👤 Ambima

I worked in supporting middleware's infrastructure that makes up the Selic application servers, at Central Bank (📍 [Rio de Janeiro](#)). I did the installation, configuration, and integration of many application servers ([JBoss EAP](#)). I also performed maintenance and monitoring of multiple instances (+ 30) in various environments (from development to production). I did the refactoring of deployments automation solution for [Java EE](#) applications that, in past, was using [Bash](#) scripts and [Ant](#). This refactoring was made using [Maven](#). I made the continuous integration solution using [CruiseControl](#) and [Hudson](#).

Java EE Architect at Brasil Telecom

📅 July 2002 to October 2004

👤 BrasilTelecom (Oi)

I did software architecture and development in Java, C, and C++ for many telecommunications applications. Some details:

- I worked in the area of architecture, leading to the adoption of the software development methodology of Brasil Telecom and participating in product evaluations. I was part of the group that defines the use of open source software by the company.
- I worked as a project leader in the development of ACW. This system allows the simultaneous access of several users to the Brasil Telecom telephone exchanges, providing a unique and secure web interface. It is a system developed in the J2EE standard, to run on the Oracle9iAS application server (in production environment) and in JBoss (development environment). ACW is a system rich in the use of J2EE standards and manufactured with the use of several Java Open Source tools, among them: Apache Ant, XDoclet, Middlegen, Jakarta Struts and JBoss.
- I developed the scheduling module for the MASC software (Alarms, Services and Commands) using the technologies / tools described above.
- I developed the synchronizer module for the MASC software.

Self-employed at Paulo Jerônimo ME

📅 September 1999 to January 2018

👤 Paulo Jerônimo ME

Paulo Jerônimo Treinamentos Eireli-ME was the name of my own micro company. It was founded in September 1999 with the name **ALP Engenharia de Software Ltda.** For many years my company lived only attending some specific customers, without a trademark. Therefore, in April 2010, I decided to give it one: **Lado Servidor**. Using this name, I developed many works involving the creation of custom training to many customers. Also, I gave solutions and did many services associated with Java application servers. Another work was the application development (especially in [Java EE](#), on multiple platforms).

I kept the [Lado Servidor's blog](#). This blog is available, now, for historical reasons. It does not suffer updates anymore. All the posts created for this blog was written in Brazilian Portuguese (pt-br). Those posts contain various solutions and tutorials for some technologies, especially those addressing the use of [Java EE](#) middleware ([JBoss EAP](#), [GlassFish](#), [IBM WebSphere](#), etc). Some friends (including [Marcelo Ancelmo](#) and [Bruno Borges](#)), also with extensive knowledge in the Java EE world, contributed in adding some posts to *Lado Servidor* blog.

In April 2014, I decided to not update *Lado Servidor* blog anymore. That decision was done to give more emphasis in my own name. Therefore, I asked my accountant to change the name to the current that I'm using.

Through my company, I played the following roles:

- [Java Instructor at Oracle](#).
- [Senior Consultant at Red Hat](#).
- [JBoss Instructor at Red Hat](#).

Using the trademark *Lado Servidor*:

- 📅 April 2010 → April 2014: I developed and ministered courses to many customers. Details in "[Delivered courses](#)".
- 📅 April 2010 → December 2010, at [Cabal](#): I worked in the assembly of an infrastructure based on JBoss AS and the migration / transformation of services written in Java for this new infra. The migration also involved the "mavenization" of several projects, with the use of [Maven](#) 3.0 and [Nexus](#), as well as the development of several scripts ([Bash](#)/ [Python](#)) for the automation of tasks related to the deployment of components in different environments (from development to production).

Before the name *Lado Servidor*:

- 📅 June 2007 → December 2007, at [Red Hat](#): I was an instructor for [RH336](#) (JBoss for Administrators) four (4) times. Details in "[Delivered courses](#)".
- 📅 March 2007 → September 2007, at [Summa Technologies](#): I was a technical project leader for Sun Microsystems in the development of the B2B portal for the customer Banco do Brasil.
- 📅 April 2003 → December 2007, at [Argo Navis](#): I ministered courses and gave presentations in

events in partnership with [Helder da Rocha](#) (the owner of this company). Details in "[Delivered courses](#)".

- 🗓 January 2006 → June 2006, at DBA Sistemas: I worked as a consultant in the development of the Integrated Public Debt System (SID) of [Secretaria do Tesouro Nacional](#).
- 🗓 November 2005 → December 2005, at [Hirix](#): I worked as an architect for the Lottery project of [Caixa Econômica Federal](#) in the construction of some use cases that needed to be delivered by the end of 2005. I led and followed the activities of the designers and programmers of the team (from solution design to construction of the code and its integration). I developed the monitoring solution for the network servers by EFL (lottery financial station).
- 🗓 January 2001 → September 2001, at [Foton](#): Acting as a consultant and developer (Java and C++) in this company's core technology.

Software Developer at Politec Informática

🗓 September 1998 to January 2001

👤 [Politec](#)

I worked as software architect, system analyst, developer and trainer. My main activities were at company's software factory and for the customer ANATEL. I did a lot of programs using Delphi and Java languages.

Self-employed at Login Informática

🗓 April 1995 to August 1998

This was my first company. I developed much software in Pascal, C, and C++ languages, for various customers. This is a brief description of the main software that I developed:

- **[Câmara de Dirigentes Logistas \(CDL-GO\)](#)**: Developed communication programs to interface with [RENAPAC](#) (National Network Package) through X.25 and TCP/IP. These programs were written in server side using C language (on SCO Unix) and, at the client side, developed in Delphi 3.0. Aims to establish the interstate connection between the various chambers of shopkeepers leaders of Brazil.
- **[Rei Drogas Distribuidora Farmacêutica](#)**: I participated in the development of Pharmacies Control System. This was carried out using the Turbo C++ 3.0.
- **[Escola Técnica Federal de Goiás](#)**: I participated in the development of the Academic Control System of this school, using Delphi.
- **[Fale Grátis](#)**: I participated in the development of [contact free application](#). In this project, I worked developing in C++ and Delphi 3.0.
- **[Federal University of Goiás \(UFG\)](#)**: Participated in the development of software that controls subscriber tickets Telegoia's to provide DDD-X reports in real time. DDD-X is an actual traffic sampling, i.e., subscribers are executing the same. With this software is able to Telegoia's analyzes, through reports, offenders and critical destinations, but also determine the rate of OK a central ticketing. The application was for Intranet, the client was a browser that supports Java applets. The server was running the business rules using Delphi. The tools used were: Borland

JBuilder 1.0, Borland Delphi 3.0, MS SQL Server 6.5.

- **Fujioka**: I developed the Postal Refund Control System, using the Borland Pascal 7.0 and OWL (Object Windows Library) for the Windows OS.

Pascal Programmer at Fujioka

📅 April 1994 to March 1995

👤 Fujioka

I was hired to develop commercial systems (Financial Check Poster Control, Telesales, Postal Refund, etc) using as the **Pascal** programming language.

My development programs were built by using with Object Oriented (OO) Pascal. OO was introduced in Pascal with **Turbo Pascal 5.5**. That compiler was my first compiler when **I was studying Computer Science at the university**.

I developed several systems at this time, using Pascal until Borland Pascal version 7.0.

It was at this time that I migrated my interests for object orientation in C++ and started working with this language.

COBOL Programmer at Embrace

📅 February 1993 to March 1994

👤 Embrace

My first job, working as a **COBOL** programmer. My responsibility was to port some code running on RM-COBOL on Digix (a UNIX clone) to MB-COBOL.

Technical Writing

So far I have been directing my publications to the public that reads in Portuguese. Therefore, most of my publications are in that language. Below are some of my technical writing.

Publications

- 📅 August 2017: "**Scripts for automating tasks on JBoss EAP domain mode**". This title was translated from the original title for the documentation that I wrote for project [\[jboss-domain-mode-scripts\]](#): "**Scripts para a automação de tarefas no JBoss EAP (em modo domain)**". (*PDF version with 62 pages*).
- 📅 July 2017: "**Blockchain: A Graphical View**". This title was translated from the original that I wrote in Brazilian Portuguese: "**Blockchain: Uma Visualização Gráfica**". (*PDF version with 12 pages*). Source code: [\[blockchain-demo\]](#).
- 📅 July 2016: "**Metalsmith Tutorial**". This title was translated from the original that I wrote in Brazilian Portuguese: "**Tutorial de Metalsmith**". (*PDF version with 19 pages*). Source code: [\[tutorial-metalsmith\]](#).
- 📅 March 2016: "**Practicing Git**". This title was translated from the original that I wrote in Brazilian Portuguese: "**Praticando Git**". (*PDF version with 34 pages*). Source code: [\[praticando-git-livro\]](#).
- 📅 September 2015: "**Keycloak Tutorial**". This title was translated from the original that I wrote in Brazilian Portuguese: "**Tutorial de Keycloak**". (*PDF version with 13 pages*). Source code: [\[tutorial-keycloak\]](#).
- 📅 March 2015: "**Java EE application tests with Arquillian**". This title was translated from the original that I wrote in Brazilian Portuguese: "**Testes em aplicações Java EE com Arquillian**". (*PDF version with 41 pages*). Source code: [\[javaee-tutorial-testes\]](#).

Education

Academic Background

Universidade de Brasília (UnB)

Specialist, Distributed Systems and Object Orientation
2001 - 2002

Universidade Católica de Goiás (UCG)

Bachelor's degree, Computer Science
1994 - 1998








Language Skills

- Portuguese: native language
- English: fluent (reading); intermediate (speaking, writing)

Delivered courses

Working as an instructor, I delivered official courses ([Oracle/ Red Hat](#), for example) and also courses that I wrote on [my company](#) (or with partners) to attend customer demands.

The complete list, shown below, gives you an idea of my effort to always stay tuned with the current technologies in its epoch. This [list can be downloaded in CSV format](#) and totals more than 3,400 hours training people in technology-related subjects.

Course (abbrev)	Date (or Period)	Duration (hours)	Customer	City
Java SE 8 Programming (Oracle)	September 2017 (week 38)	40	Valec	 Brasília
Java SE 8 Fundamentals (Oracle)	September 2017 (week 37)	40	Valec	 Brasília
JB248 (Red Hat)	July 2016	32	Tecnisys	 Brasília
TDD with Java EE and Arquillian	March 2015	16	Secretaria do Tesouro Nacional	 Brasília
JB248 (Red Hat)	December 2014	32	Secretaria da Fazenda	 Fortaleza
JB225 (Red Hat)	December 2014	32	Secretaria da Fazenda	 Fortaleza
TDD with Java EE and Arquillian	January 2014	16	3way	 Goiânia

Course (abbrev)	Date (or Period)	Duration (hours)	Customer	City
JBoss AS 7	January 2013	20	Caixa Econômica Federal	 Brasília
JBoss AS 6 / 7	January 2013	40	CPD UnB	 Brasília
Java EE 6	December 2012	40	CPD UnB	 Brasília
JBoss EAP 5 tuning	October 2012	72	Tribunal Regional do Trabalho - 13a Região	 Fortaleza
JBoss AS	April 2011	40	Solução Serviços Especializados	 Brasília
JBoss AS	May 2011	40	UNIC	 Primavera do Leste
Java EE 6	July 2010	40	UNIC	 Cuiabá
JBoss AS	December 2009	24	Exército/ Aeronáutica	 Brasília
JBoss AS tuning	December 2009	40	Serpro	 Brasília
JBoss AS	November 2009	32	Serpro	 Brasília
Enterprise JavaBeans (EJB)	November 2009	40	Cabal	 Brasília
JBoss AS	October 2009	32	Secretaria do Tesouro Nacional	 Brasília
Seam Framework	July 2009	32	Cabal	 Brasília
JBoss AS architecture/ development	September 2008	40	Dígito	 Florianópolis
JBoss AS	February 2008	40	Pixeon	 Florianópolis
JBoss AS	January 2008	40	Dataprev	 Rio de Janeiro
JBoss AS	January 2008	40	Dataprev	 Rio de Janeiro
RH336 (Red Hat)	December 2007	32	Ambima	 Rio de Janeiro
RH336 (Red Hat)	November 2007	32	TRE-PR	 Curitiba
JBoss AS	September 2007	40	B2Br	 Brasília
RH336 (Red Hat)	August 2007	32	open class	 São Paulo
JSF	August 2007	40	Cast	 Brasília
jBPM	July 2007	12	TRF-1	 Brasília
RH336 (Red Hat)	June 2007	32	open class	 São Paulo
JBoss AS	November 2006	32	Search	 Brasília

Course (abbrev)	Date (or Period)	Duration (hours)	Customer	City
Java EE - JSP/Servlet	November 2006	56	Embrapa	📍 Brasília
Java - OO/XML	November 2006	40	TRE-GO	📍 Goiânia
Java - eXtreme Programming	November 2006	16	TRE-GO	📍 Goiânia
Java EE - Hibernate/JPA	November 2006	16	TRE-GO	📍 Goiânia
Java EE - Servlet/JSP/JSTL	November 2006	32	TRE-GO	📍 Goiânia
Java EE - Web Frameworks	November 2006	8	TRE-GO	📍 Goiânia
Java EE - JSF	November 2006	16	TRE-GO	📍 Goiânia
Java EE - EJB	November 2006	24	TRE-GO	📍 Goiânia
C++ XML APIs	October 2006	24	CIGE	📍 Brasília
JBoss	September 2006	40	Caixa Econômica Federal	📍 Brasília
Java Design Patterns	August 2006	9	Setas/ Detran	📍 Palmas
Advanced Java	July 2006	40	Summa Technologies/ UOL	📍 São Paulo
JSF	July 2006	20	Evoluti Tecnologia/ Secretaria de Segurança Pública	📍 Palmas
Struts	July 2006	20	Evoluti Tecnologia/ Secretaria de Segurança Pública	📍 Palmas
Java Design Patterns (GoF)	June 2006	24	Password Informática	📍 Goiânia
Java OO	June 2006	16	Password Informática	📍 Goiânia
Advanced XML	June 2006	30	Prodasen	📍 Brasília
XML	May 2006	24	Prodasen	📍 Brasília
AOP in Spring Framework	May 2006	16	ITA	📍 São José dos Campos
Subversion	August 2005	8	Secretaria de Vigilância em Saúde	📍 Brasília

Course (abbrev)	Date (or Period)	Duration (hours)	Customer	City
OO/UML	August 2005	12	Secretaria de Vigilância em Saúde	📍 Brasília
Java 5	August 2005	28	Secretaria de Vigilância em Saúde	📍 Brasília
Java Tools	August 2005	12	Secretaria de Vigilância em Saúde	📍 Brasília
Java Reports	August 2005	12	Secretaria de Vigilância em Saúde	📍 Brasília
Java Tools for eXtreme Programming	August 2005	28	Secretaria de Vigilância em Saúde	📍 Brasília
Java Web	August 2005	20	Secretaria de Vigilância em Saúde	📍 Brasília
Java Web Hands On	August 2005	28	Secretaria de Vigilância em Saúde	📍 Brasília
Java Web Design Patterns	August 2005	12	Secretaria de Vigilância em Saúde	📍 Brasília
Struts & Spring Frameworks	August 2005	60	Secretaria de Vigilância em Saúde	📍 Brasília
JBoss	July 2005	40	Anvisa	📍 Brasília
EJB	May 2005	24	open class	📍 Brasília
OO/UML	April 2005	28	Prodasen	📍 Brasília
J2ME	March 2005	40	Senac	📍 Goiânia
Hibernate	March 2005	20	open class	📍 Brasília
Struts	March 2005	32	open class	📍 Brasília
Hibernate	February 2005	24	SEA Tecnologia/ Exército	📍 Brasília
EJB	January 2005	36	Politec	📍 Goiânia
Struts	November 2004	32	SEA Tecnologia/ Exército	📍 Brasília

Course (abbrev)	Date (or Period)	Duration (hours)	Customer	City
Java Tools for eXtreme Programming	November 2004	40	SEA Tecnologia/ Exército	 Brasília
JBoss	October 2004	40	Summa Technologies/ Celg Distribuição	 Goiânia
J2EE Design Patterns	October 2004	40	Summa Technologies/ Celg Distribuição	 Goiânia
UML	October 2004	40	Summa Technologies/ Celg Distribuição	 Goiânia
Java Security	October 2004	24	Politec/ Ministério da Justiça	 Goiânia
EJB	September 2004	8	Prodata Gestão Estratégica	 Goiânia
OO	August 2004	8	Cepromat	 Cuiabá
Java XML APIs	July 2004	40	Poupex	 Brasília
Struts	June 2004	20	Poupex	 Brasília
TDD with Java	June 2004	4	open class	 Brasília
Java XML APIs	May 2004	40	Poupex	 Brasília
EJB	February 2004	40	open class	 Brasília
Java 2	December 2003	40	Accenture	 Brasília
JBoss AOP	December 2003	4	Banco do Brasil	 Brasília
J2EE	October 2003	40	Banco do Brasil	 Brasília
EJB	October 2003	40	BrasilTelecom (Oi)	 Brasília
XDoclet	September 2003	4	open class	 Brasília
Servlet/ JSP	August 2003	60	Secretaria de Orçamento Federal	 Brasília
Java 2	July 2003	40	Secretaria de Orçamento Federal	 Brasília
Java Design Patterns (GoF)	May 2002	24	Politec	 Brasília
Java 2	April 2003	60	open class	 Brasília
RUP/UML	March 2003	60	open class	 Brasília

Course (abbrev)	Date (or Period)	Duration (hours)	Customer	City
RUP/UML	September 2002	60	open class	📍 Brasília
RUP/UML	August 2002	40	open class	📍 Brasília
J2EE	May 2002	40	BrasilTelecom (Oi)	📍 Brasília
XML	March 2002	40	Anvisa	📍 Brasília
J2EE (Quick view)	Sep/1998 → Jan/2001	2	Politec/ Secretaria da Fazenda	📍 Brasília
HTML/JavaScript	Sep/1998 → Jan/2001	20	Politec/ Anatel	📍 Brasília
PowerDesigner	Sep/1998 → Jan/2001	20	Politec/ Anatel	📍 Brasília
Java	Sep/1998 → Jan/2001	40	Politec/ Anatel	📍 Brasília
Java	Sep/1998 → Jan/2001	40	Politec/ Caixa Econômica Federal	📍 Brasília
Delphi 4.0	Sep/1998 → Jan/2001	40	Politec/ Secretaria da Fazenda	📍 Brasília
J2EE (Servlet/JSP/EJB)	Sep/1998 → Jan/2001	40	Politec/ Banco do Brasil	📍 Brasília
C for Unix	Mar/1995 → Sep/1998	40	Câmara de Dirigentes Logistas	📍 Goiânia
Data Structures and C	Mar/1995 → Sep/1998	60	Universidade Católica de Goiás	📍 Goiânia
Delphi 2.0	Mar/1995 → Sep/1998	40	ENCIDEC	📍 Goiânia
Delphi 2.0	Mar/1995 → Sep/1998	40	SESI	📍 Goiânia
Delphi 2.0	Mar/1995 → Sep/1998	40	Escola Técnica Federal de Goiás	📍 Goiânia
Delphi 2.0	Mar/1995 → Sep/1998	40	Televisão Anhanguera	📍 Goiânia

Certifications

Red Hat Certified System Administrator (RHCSA). Jul 18, 2014 - Nov 01, 2018. (*See certificate*)

Red Hat Certified JBoss Administrator (RHCJA). Jul 17, 2014 - Nov 01, 2018. (*See certificate*)

Sun Certified Business Component Developer for the Java 2 Platform 1.3, Enterprise Edition (SCBCD). Feb 2007.

Sun Certified Programmer for the Java 2 Platform, Standard Edition 5.0 (SCJP). Feb 2007.

Sun Certified Web Component Developer for the Java 2 Platform 1.3 (SCWCD). Jun 2003

Sun Certified Programmer for the Java 2 Platform 1.2 (SCJP). May 2002.

Conferences & presentations

All my presentations, until this moment, was done in Brazil. So, here I'm keeping the original title (in Brazilian Portuguese) but highlighting (in **bold**) the subject(s). Here is the list:

2017

DFJUG online meeting, 📍 **Brasília**, July 22

- **Blockchain** concepts
- 📄 Material: <https://blockchain4devs.github.io/blockchain-demo/docs/pt-br/>
- Videos:
 - ▶ [Blockchain](#)

DFJUG online meeting, 📍 **Brasília**, March 6

- Building **microservices** to run on **OpenShift**
- 📄 Material: <https://paulojeronimo.github.io/microservices-on-openshift/>
- Videos:
 - ▶ [Construindo microserviços para execução no OpenShift - parte 1](#)
 - ▶ [Construindo microserviços para execução no OpenShift - parte 2](#)

2014

JUDCon Brazil, 📍 **São Paulo**, September 26

- [Setting up and running Wildfly and RHQ on Docker](#) /Fedora
- 📄 Material: <http://paulojeronimo.github.io/JUDCon-2014-Brazil/>
- Videos (recorded after the event):
 - ▶ [Tutorial Docker 1](#)
 - ▶ [Tutorial Docker 2](#)

Join Community, 📍 **Goiânia**, May 31

- Criando e publicando sites no **GitHub Pages** com **Asciidoctor** e **Awestruct**
- 📄 Material: <https://github.com/paulojeronimo/join-community-2014>

2011

Oracle Technology Developer Day (OTN Day), 📍 [São Paulo](#), August 02

- 3 presentations:
 - Keynote
 - Desenvolvimento na leve e moderna plataforma **Java EE 6**
 - Disputa entre ferramentas de IDE: **Eclipse**, **NetBeans**, **JDeveloper**

JustJava, May 18, 📍 [São Paulo](#)

- **Clusters** com **GlassFish Server 3.1**.

2010

Semana Acadêmica da Faculdade Projeção, 📍 [Brasília](#), October 17

- **Clusters** de servidores de aplicações **Java**, demonstrando casos práticos utilizando **JBoss** e/ou **GlassFish**.

2o WorkShop de Tecnologia de Jataí, 📍 [Jataí](#), October 29

- **Java EE** no **JBoss AS 6**

Semana Acadêmica da Faculdade Jesus Maria José, 📍 [Brasília](#), November 05

- **Clusters** and high availability in **JBoss AS**

[Java Senior](#), 📍 [Goiânia](#), September 11

- 5 Presentations:
 - Construindo aplicações **Java** com **Maven** e **Nexus**
 - Testes em aplicações **Java EE 6**: como fazer?
 - **Enterprise JavaBeans 3.1**
 - Desconferência: Aplicações **Java EE** reais e em produção: como são?
 - Novas soluções para o balanceamento de carga em **clusters** de **JBoss AS**

FLISOL, 📍 [Goiânia](#), April 24

- **Java EE 6**.

From 2001 to 2009, I delivered many presentations related to:

- High availabilty and load balance for application servers
- [Spring](#) Framework (advanced uses/ AOP)
- Extreme Programming
- Aspect Oriented Programming (AOP)
- Java new features
- Web Services



Some of my repositories

Things that I wrote

- [cv](#): The source code of my Curriculum Vitae, written in AsciiDoc format.
- [whoami](#): My personal presentation, written in AsciiDoc format.
- [java-fundamental-examples](#): Java 8 samples. Very basic and didactic. Written in Brazilian Portuguese for my Brazilian customers.
- [jboss-scripts](#): A small bunch of Bash scripts intended to facilitate tasks with different versions of JBoss (including Wildfly, EAP, and older) installed through zips.
- [jboss-domain-mode-scripts](#): A framework (written in Bash) to install JBoss EAP (domain mode) on RHEL.
- [poc-vraptor-jboss-cluster](#): A simple VRaptor application adjusted to run on JBoss EAP 6.4.
- [struts2-crud-example](#): A sample Struts2 CRUD application migrated to run on a JBoss EAP 7. Data persistence (on Oracle) is managed by Hibernate.
- [sislegis-site](#): SISLEGIS documentation website, wrote with [AsciiDoc](#) and [Awestruct](#).
- [sislegis-app](#): SISLEGIS backend source code ([Java EE](#)).
- [sislegis-app-frontend](#): SISLEGIS frontend source code ([JavaScript](#)/ [AngularJS](#))
- [sislegis-ambiente](#): Scripts ([Bash](#)/ [JBoss CLI](#)) used to create environments that executes SISLEGIS application.
- [sislegis-ambiente-ubuntu](#): Environment to run SISLEGIS on [Ubuntu](#).
- [sislegis-ambiente-fedora](#): Environment to run SISLEGIS on [Fedora](#).
- [sislegis-ambiente-centos](#): Environment to run SISLEGIS on [CentOS](#).
- [sislegis-ambiente-producao](#): Environment to run SISLEGIS within a Wildfly cluster (2 instances, domain mode, [CentOS](#)).
- [gerador-jboss-bpmsuite-keycloak](#): A project that integrates [JBoss BPM Suite](#) and [Keycloak](#).
- [wildfly-native-management-api-sample](#): A PoC that shows how to use [Wildfly](#) 8.2 managment interface programatically.
- [blockchain-demo](#): Sources (in AsciiDoc format) for the publication "Blockchain: Uma Visualização Gráfica".
- [tutorial-metalsmith](#): Sources (in AsciiDoc format) for the publication "Tutorial MetalSmith".
- [praticando-git-livro](#): Sources (in AsciiDoc format) for the publication "Praticando Git".
- [tutorial-keycloak](#): Sources (in AsciiDoc format) for the publication "Tutorial Keycloak".
- [javaee-tutorial-testes](#): Sources (in AsciiDoc format) for the publication "Testes em aplicações Java EE com Arquillian".

Forked repositories (maybe with some code that I fixed or added)

- [docker-rhel-nexus](#): OpenShift Dockerfiles, templates and scripts to run Nexus Repository

Manager.

- [docker-oracle-xe](#): Dockerfile of Oracle Database Express Edition 11g Release 2.

Some of my contributions to projects from others

[forge/core](#)

- [Fix forge bash script #537](#)

[anders94/blockchain-demo](#)

- [pt-br docs #18](#)