

# Paulo Jerônimo's Résumé

Online at <https://paulojeronimo.com/cv/en/resume-devops.pdf>.

Last update: 2023-05-19 16:45:20 -0300.

Read about [How I build this CV](#).

## © DevOps and Site Reliability Engineer

I am Paulo Jerônimo, a [Full Stack Developer](#) with many years of experience acting as a [DevOps Engineer](#) and [SRE](#). With one of the DevOps practices, [CI/CD](#), my first contact was in 2011 using [Hudson](#) (renamed later to [Jenkins](#)). *Nowadays, I also have experience in setting pipelines with [GitHub Actions](#) or [AWS CodePipeline](#).* But, this contact is much more recent than my **experience with [Linux](#) (since 1993)** or as a [Java developer](#) (since 1998).

So, related to programming in Java on Linux environments and automating steps using [Shell Script](#), my corporate tasks started **in 2002** ([in this job](#)). During that time, I made many [middleware](#) installations/ configurations and implementation of components on servers (like [Apache](#), [Tomcat](#), and [JBoss](#)).

**Between 2003 and 2007**, I [partnered with a Brazilian training company](#) offering architecture and software development consultancy. I provided excellent Java and XML courses to Brazilian market companies in this partnership. This and a deep understanding of middleware allowed me to [act as an expert JBoss specialist in Red Hat](#) and teach official JBoss courses through this company.

**In 2008**, I [accepted another big challenge](#). I started to program in [Python](#) while also applying my knowledge in [Bash](#) to use these tools for automating server installations and application component deployments. At that time, I was responsible for monitoring and analyzing logs and problems in a production environment for applications running in middlewares like [Tomcat](#), [JBoss](#), [Apache](#), and [Ngnix](#). I acted preemptively by using monitoring tools ([JON](#), [Nagios](#), and [Zabbix](#)) and reviewing logs. *Nowadays, if needed, I could use [Prometheus](#), [Grafana](#), and [Dynatrace](#) to do such a job.* When failures occurred, I was responsible for using tools to identify memory leaks and performance bottlenecks. I proactively interact with development, infrastructure, and operations teams. From that year onwards, I work in DevOps or SRE tasks on servers of private companies or the government. (Read more on this links: [CNPq](#), [TRF-1](#), [Caixa](#), [STN](#)).

I started to use and develop [Docker](#) containers **in 2014** when I spoke about it at [JUDCon](#) (a [Red Hat](#) event).

**In 2015**, I [returned to work as Software Architect](#) with more luggage in [Java EE](#), infrastructure, DevOps, and SRE. I used [Vagrant](#) in the automation of many environments and also to set up clusters and test labs of performance. *Nowadays, I prefer [Docker](#) or [Linux Containers](#) for this, but sometimes, I still use Vagrant to provision virtual machines that I create using [KVM](#) in my development environment.* With Vagrant, in addition to making advanced use of [Bash](#) for provisioning, I learned to program in [Ruby](#) and to use [Puppet](#) and [Ansible](#). *Nowadays, to assemble an entire infrastructure in a cloud, I use my CLI tool or [Terraform](#) (similar to Vagrant but different in purposes).*

In 2016 (working for [Red Hat](#)), I was responsible for upgrading dozens of [JBoss](#) servers on large companies ([B3](#) and [Previ](#)). This also involved updating the [Java](#) code of several applications. I improved my skills in computer [security](#) issues such as [OpenSSL](#), [JWT](#), [OAuth](#), and [Keycloak](#) (or [RH-SSO](#) - the version supported by [Red Hat](#)). In addition, I learned a lot about [Kubernetes](#) and [OpenShift](#).

In 2017, I published videos about it and worked with its installation, configuration, and deployment of [microservices](#). Nowadays, I quickly install [Kubernetes](#) in a cloud (via [EKS](#) or [AKS](#)) or even in [Linux Containers](#). I learned [Amazon Web Services \(AWS\)](#) ([IAM](#), [EC2](#), and [S3](#), via [CLI](#)) and [Microsoft Azure](#). I created validator nodes for [Bitcoin](#) and [Ethereum](#) to study them in the latter.

In 2018, I gained more experience in [security](#) and [microservices](#) with [Spring Boot](#) running on [CloudFoundry](#) (working for [Thales](#) in Lisbon). I did some technical comparisons between [Keycloak](#) and [UAA](#). I started working with some tools for Big Data, such as [Spring Cloud Stream](#) and [Apache NiFi](#).

In 2019, I returned to Brazil and started a career more focused on [Web3](#) as a [Full Stack Developer](#) in my own business.

In 2020, while working in partnership with a Linux company in Brazil, I improved on [OpenStack](#) and recorded videos about it. During this partnership, I also solved a severe problem for a law firm with [Passbolt](#) installed on the [Google Cloud Platform \(GCP\)](#). Nowadays, regarding [GCP](#), I also use [Firebase](#). In a contract with another employer ([ília](#)), I worked for a company ([Caixa Seguradora](#)) using [OpenShift](#) and [RH-SSO](#) in an even more specialized way. I was responsible for gluing their applications to [Keycloak](#) while, at the same time, building components and customizations to it. Also, in that job, I started to work with [Kafka](#).

In 2021, I specialized even more in AWS services. I developed an [event-driven](#) project for [OSO DevOps](#) involving, in addition to standard services, [Chalice](#), [Lambda](#), [Kinesis](#), and [EKS](#). Nowadays, I use [TypeScript](#) and [CDK](#) for [IaC](#).

So this is my whole story. I can now act in public or on-premise clouds. My current focus has been chiefly on using [Amazon Web Services \(AWS\)](#), but as I said, I also have occasional experiences with [Microsoft Azure](#) and [Google Cloud Platform \(GCP\)](#).

**Read more about my use of these technologies in the section  Professional Experience.**

# 👤 Contacts and Links

📞 Mobile Phone/WhatsApp: +55 61 99807 3864

✉ Email: [paulojeronimo@gmail.com](mailto:paulojeronimo@gmail.com)

Website: <https://paulojeronimo.com>

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

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

Odysee: <https://odysee.com/@paulojeronimo>

📺 YouTube: <https://www.youtube.com/~paulojeronimo>

📷 Instagram: <https://www.instagram.com/paulojeronimo74>

📍 Home: [Brazil/Brasília](#)

## 🔧 Technical Skills



Please note that when opening most of the links below you will be redirected to my "sitemap" page where I will introduce you to some other links to projects or documents I've already created associated with the selected theme.

- **I'm more focused on:** [Ubuntu](#), [Linux Containers](#), [Docker](#), [Kubernetes](#), [Cloud Platforms](#), [DevOps](#), [Blockchain](#), [Smart Contracts](#), [Ethereum](#), [Polygon](#), [NEAR](#), [Bash](#), [Solidity](#), [Rust](#), [Node.js](#), [npm](#), [pnpm](#), [TypeScript](#), [Nunjucks](#), [React](#), [React Native](#), [Next.js](#), [Svelte](#), [SvelteKit](#), [AsciiDoc](#), [Asciidoctor](#), [Termux](#), [Git](#), [GitHub](#), [Scrum](#);
- **Incomplete list of technologies I've used:** **Virtualization**, **Containers**, **Cloud Platforms**, **DevOps**: [Microsoft Azure](#), [Amazon Web Services \(AWS\)](#) ([IAM](#), [EC2](#), [Lambda](#), [SQS](#), [Kinesis](#), [DynamoDB](#), [CloudShell](#), [CodePipeline](#), [CodeBuild](#), [CodeDeploy](#)), [Google Cloud Platform \(GCP\)](#), [OpenStack](#), [OpenShift](#), [GitLab](#), [BitBucket](#), [Gradle](#), [Nexus](#), [Jenkins](#), [Travis CI](#), [Ansible](#), [VMware](#), [VirtualBox](#), [KVM](#), [Vagrant](#), [Terraform](#); **Operational Systems**: [macOS](#), [Fedora](#), [RHEL](#), [CentOS](#), [Arch Linux](#); **Agile Methodologies and Tools**: [Extreme Programming](#), [Kanban](#), [Continuous Integration](#); [Jira](#); **Programming Languages**: [Java](#), [Groovy](#), [Kotlin](#), [JavaScript](#), [Python](#), [Ruby](#), [Solidity](#), [C](#), [C++](#); **Testing**, **Code Quality**: [TDD](#), [BDD](#), [Integration Testing](#), [Acceptance Testing](#), [JUnit](#), [JMock](#), [Mockito](#), [Arquillian](#), [Cucumber](#), [Selenium](#), [Spek](#), [Spock](#), [Mocha](#), [Chai](#), [Jest](#), [SonarQube](#); **Text Editors**, **IDEs**: [Vim](#), [IntelliJ](#), [Visual Studio Code](#); **Java**: [Java EE](#), [Hibernate](#), [Spring](#), [Spring Boot](#), [JHipster](#), [Quarkus](#); **JavaScript**: [yarn](#), [Angular](#), [Puppeteer](#); **Python**: [Django](#), [Jinja](#), [Chalice](#); **API**: [Swagger](#), [Postman](#), [GraphQL](#); **Web**: [HTML](#), [CSS](#), [Sass](#), [Styled Components](#), [WebSocket](#); **Mobile**: [Kotlin](#); **Databases**: [MySQL](#), [MSQL](#), [Oracle](#), [PostgreSQL](#), [MongoDB](#); **Documentation**: [UML](#), [Markdown](#); **Command Line Tools**: [Tmux](#), [sed](#), [awk](#), [curl](#), [HTTPIe](#), [jq](#); **Configuration Languages**: [XML](#), [JSON](#), [YAML](#), [TOML](#), [Dhall](#); **Middleware**, **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](#);

# Professional Experience



Please, open the link "Read more ..." if you want more details than the summarized information below.

**Oct/2019 to Present - Founder and Web3 Developer of Finisher.Tech** - [Finisher.Tech](#) is a personal project where I put my efforts into developing software using technologies like **Blockchain**, **Artificial Intelligence**, and **Data Visualization** to produce **Move-To-Earn DApps** for the wellness area. [Read more ...](#)

**May/2022 to Jul/2022 - Senior Software Developer at ilia** - I acted as a backend developer using JavaScript and TypeScript focusing on security issues ([as seen this video](#)). In parallel, I worked in the innovation area to bring a culture of developing decentralized applications (DApps) to the company using Blockchains such as Ethereum, Polygon, and NEAR. This educational process was initiated before [I rejoined ilia](#) as an employee by offering them [mentoring on Web3 technologies](#) through my own company. [Read more ...](#)

**Apr/2021 to Aug/2021 - Senior Software Architect at Foton** - Worked using Java and Java EE technologies in Open Banking solutions. [Read more ...](#)

**Feb/2021 to Jul/2021 - Senior Software Developer at OSO DevOps** - Working as a freelancer software developer using AWS technologies (like [Lambda](#) and [Kinesis](#)) and programming in Bash, Python, JavaScript and Java. [Read more ...](#)

**Feb/2021 to Mar/2021 - Senior Software Architect at Basis** - Worked at [Presidência da República](#) focused on develop a project using [Spring Boot](#), [Spring Cloud Stream](#) and [Kafka](#). [Read more ...](#)

**Jul/2020 to Jan/2021 - Senior Software Architect at ilia** - Worked at [Caixa Seguradora](#) focused on develop [RH-SSO \(Keycloak\)](#) software extensions (written in Java). [Read more ...](#)

**Feb/2018 to Feb/2019 - Software Developer at Integer** - Through this company and its partner ([Novabase](#)), I worked as an architect and software developer for [Thales Group](#) developing solutions at [Thales Ground Transportation System](#). [Read more ...](#)

**Sep/2017 to Jan/2018 - Java Instructor at Oracle** - Through [my company](#), I acted as a Java Instructor at [Oracle](#). [Read more ....](#)

**Oct/2016 to Jan/2018 - Senior Consultant at Red Hat** - Through [my company](#), I acted as a Senior Consultant at [Red Hat](#). [Read more ....](#)

**Oct/2015 to Sep/2016 - Project Manager at Cebraspe** - 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). [Read more ...](#)

**Feb/2015 to Sep/2015 - Middleware Specialist at 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](#). [Read more ....](#)

**Sep/2014 to Jan/2018 - JBoss Instructor at Red Hat** - I worked as a **Red Hat Certified Instructor (RHCI)**. See the list of my delivered training in the topic "[Delivered Courses](#)".

**Sep/2014 to Mar/2015 - Java EE Architect at 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. [Read more ...](#)

**Jun/2013 to Jun/2014 - Middleware Specialist at +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**. [Read more ...](#)

**Jan/2013 to Jun/2013 - Java EE Architect at 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)). [Read more ...](#)

**Aug/2011 to Jun/2012 - Websphere Specialist at 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)). [Read more ...](#)

**Dec/2010 to Apr/2011 - Middleware Specialist at Algar** - I worked in consulting and support services for JBoss, Oracle and Apache application servers, for **CNPq** client (📍 **Brasília**). [Read more ...](#)

**Jan/2008 to Apr/2009 - JBoss Specialist at Ambima** - I worked in supporting middleware's infrastructure that makes up the Selic application servers, at Central Bank (📍 **Rio de Janeiro**). [Read more ...](#)

**Jul/2002 to Oct/2004 - Java EE Architect at Brasil Telecom** - I did software architecture and development in Java, C, and C++ for many telecommunications applications. [Read more ...](#)

**Sep/1999 to Jan/2018 - Self-employed at 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 specify 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. [Read more ...](#)

**1993 to 1998** - Between these years I also developed many projects using COBOL, Pascal, **C**, **C++** and Delphi. [Read more ...](#)

# Education

## Academic Background

 [Universidade de Brasília \(UnB\)](#), 2001 → 2002

**Specialist degree.** Course: **Distributed Systems and Object Orientation.**

 [Universidade Católica de Goiás \(UCG\)](#), 1994 → 1998

**Bachelor's degree.** Course: **Computer Science.**

## Language Skills

**Portuguese:** Native language.

**English:** Fluent → [Level CEFR B2](#) at **British Council EnglishScore Core Skills** test. See some of [My English Videos](#).

## Delivered Courses

As an instructor, I delivered official courses ([Oracle/ Red Hat](#), for example) and some that I wrote on [my company](#) (or with partners) to attend to customers in person. The file [delivered-courses.csv](#) (with more than 3,400 hours training people in technology-related subjects) can be downloaded in CSV format and gives you an idea of my effort always to stay tuned with the current technologies in its epoch.

## 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

I did [a lot of presential talks](#) about many technical topics in Brazil. Currently I'm redirecting my efforts to produce online content on my video channels ([YouTube](#), [Odysee](#), and [Instagram](#)).

---

### How I build this CV

**I build Documents in the same way as Code ([Docs-As-Code](#)).** Read more about how I do this, and my ideas to develop this CV in an even better way, in

<https://paulojeronimo.com/cv/README.pdf>