

# DevOps Engineer / Java Developer

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I have over 18 years of experience in the software industry, of which nine as a Java developer and the remaining focused on DevOps with some minor assignments in quality assurance and development.

Therefore, I have a clear understanding of the software life cycle and worked from waterfall to Agile, from Ops to DevOps and from hosted servers to the cloud.

At the moment, I'm interested in automation and observability. And my studies are focused on Kubernetes and OpenTelemetry.

## Career

### **DevOps Engineer at Critical TechWorks (Porto, Portugal) - Nov 2021 to date**

Critical TechWorks develops software for BMW cars. My team is responsible for providing developers a CI platform. I work on troubleshooting issues in CI pipelines and developing new features for the platform. We are also implementing some of our services on AWS, using Terraform for infrastructure management.

**Key skills: Docker, bash, Zuul CI, Ansible, Linux, Python, AWS, Terraform.**

### **DevOps Engineer at Critical TechWorks (Porto, Portugal) - Sep 2020 Nov 2021**

Critical TechWorks develops software for BMW cars. I worked in the CI team responsible for the Linux image that is installed in the car's hardware unit and contains all its software components, like navigation and infotainment. Most of my work consisted of developing Docker images and Ansible playbooks to be run in Zuul CI. **Key skills: Docker, bash, Zuul CI, Ansible, Linux.**

### **DevOps Engineer at CGI (Lisbon, Portugal) - Jul 2020 to Sep 2020**

I worked in the development of a solution for a group of water suppliers from the United Kingdom. The solution was intended to digitalize and automate part of the process of recording water meter readings. I participated in the proof of concept phase and was responsible for creating the CI pipelines in Azure DevOps. I also worked closely with the application architect to design and create the AKS cluster that would host the application's microservices. **Key skills: Docker, Kubernetes, bash, Azure AKS, Azure DevOps.**

### **DevOps Engineer at Airbus (Toulouse, France) - Jan 2020 to Jun 2020**

As a subcontractor of CGI, I joined the Airbus DevOps team responsible for the company's API ecosystem in Toulouse, France. Developed Docker images, scripts and Kubernetes cronjobs for backup of databases, GitHub repositories and Jenkins data. **Key skills: Docker, Kubernetes, bash, Python, AWS.** Updated Docker images and Kubernetes deployments to eliminate the use of root user at runtime. **Key skills: Docker, Kubernetes.** Created Python scripts to consume API usage logs and aggregate information to feed

the system responsible for the monetization of APIs, as well as the related Kubernetes deployments and configurations. **Key skills: Docker, Kubernetes, Python, RabbitMQ, Redis, Ansible.**

#### **PHP Developer at IBM Brazil - Oct 2019 to Dec 2019**

Developed an API for the dashboard of a user management application. **Key skills: PHP, PostgreSQL, Docker.**

#### **Quality Assurance Developer at IBM Brazil - Apr 2019 to Oct 2019**

Joined a quality assurance team to assist with the development of automated tests for a web application. **Key skills: Selenium WebDriver, TestNG, Java, quality assurance.**

#### **DevOps Engineer at IBM Brazil - Aug 2016 to Apr 2019**

Implemented Jenkins from scratch and automated around 85 percent of builds and deployments. **Key skills: Jenkins, bash, Ant.**

Participated in the migration of one application to IaaS servers on IBM Cloud. This included the adoption of Ansible to manage the new servers' configurations. **Key skills: Ansible, IBM Cloud, bash.**

Created a dashboard for L1 support team with alerts for critical errors using logs from several sources. **Key skills: Elasticsearch, Logstash, Kibana, Docker.**

Designed and created a chat bot intended to assist L1 support team in resolution of issues. **Key skills: IBM Conversation service.**

#### **DevOps Engineer at IBM Brazil - Oct 2014 to Aug 2016**

Implemented Jenkins and created build and deployment jobs for a Java web application. **Key skills: Jenkins, Ant, Java, bash, DB2.**

#### **Java Developer at IBM Brazil - Aug 2005 to Oct 2014**

Throughout this time, I worked in the maintenance of at least ten internal projects with a similar pattern: Java application running on IBM WebSphere Application Server backed by IBM DB2 database. In some of these, I acted as the lead developer and was responsible for client facing meetings to discuss scope and requirements. **Key skills: Java, Servlets, JDBC, JSP, Javascript, DB2.**

#### **Miscellaneous**

- Bachelor's Degree, **Computer Science**, 2002-2005 at Centro Universitário de Jaguariúna – UniFAJ (Brazil).
- **Sun Certified Programmer** for the Java 2 Platform, Standard Edition 5.0.
- **Sun Certified Web Component Developer** for the Java 2 Platform, Enterprise Edition 1.4.
- **Brazilian Portuguese** is my **native** language and I also speak **English fluently**.
- If you need **references** about me, please send me an email and I can give you some contacts. I don't put them here to preserve their privacy.
- Born on November 14th, 1980