Luiz Gadêlha

SUMMARY

Meticulous Java Developer and Data Scientist with 9 years of experience developing and implementing big data and database solutions to improve processes for clients. Motivated team member who thoroughly performs analysis and implements Data Sciences and Java Solutions. Well trained in Java project development using latest technologies such as Spring, Hibernate, and MongoDB as well as Java, Python, Shell, Scripting, SQL, PostgresSQL, and Hadoop Java and Python Developer.

CORE SKILLS

- Java
- Hadoop
- Spring
- Hibernate
- MySQL
- PostGreSQL
- Docker
- Kubernetes
- JPA
- AWS

- Big Data
- C
- Python
- R
- HTML
- PHP
- Query
- CSS
- Apache Tomcat
- Mockito

- Python
- Factory
- Agile / Scrum Factory
- Git
- Intellij
- Maven
- Trello
- StarUML
- Linux
- Windows

WORK EXPERIENCE

Freeelancer Ago/2023 – Now

Python Developer & Data Scientist

- Project: Predictive Analytics for E-commerce
  - Client: [Confidential]
  - Duration: August 2023 - October 2023
  - Technologies Used: Python, Pandas, Scikit-learn, Matplotlib

- o Description: Developed predictive models to forecast sales and customer behavior for an e-commerce platform. Utilized machine learning algorithms to analyze customer data and provide actionable insights to improve marketing strategies.
  - o Key Achievements:
    - Achieved 85% accuracy in sales predictions.
    - Reduced customer churn by 10% through targeted marketing campaigns.
- Project: Data Cleaning and Visualization for Healthcare Data
  - o Client: [Confidential]
  - o Duration: September 2023 - November 2023
  - o Technologies Used: Python, NumPy, Pandas, Seaborn
  - o Description: Conducted data cleaning and visualization for a healthcare provider's patient data. Ensured data integrity and provided visual reports to assist in patient care analysis.
  - o Key Achievements:
    - Improved data accuracy by 15%.
    - Created interactive dashboards that enhanced data comprehension for non-technical stakeholders.

Web Developer

- Project: Corporate Website Development
  - o Client: [Confidential]
  - o Duration: October 2023 - December 2023
  - o Technologies Used: HTML, CSS, JavaScript, React.js, Node.js
  - o Description: Designed and developed a corporate website for a financial services company. Ensured responsive design and seamless user experience across different devices.
  - o Key Achievements:
    - Launched the website within a tight deadline of 8 weeks.
    - Increased web traffic by 20% through improved SEO practices.
- Project: E-commerce Website for a Fashion Retailer
  - o Client: [Confidential]
  - o Duration: November 2023 - January 2024
  - o Technologies Used: HTML, CSS, JavaScript, Shopify
  - o Description: Built an e-commerce platform for a fashion retailer using Shopify. Customized themes and integrated payment gateways to enhance the shopping experience.
  - o Key Achievements:
    - Boosted online sales by 30% within the first month of launch.

- ▪ Implemented a user-friendly interface that improved customer satisfaction ratings.

Data Science Consultant

- Project: Customer Segmentation for Marketing Campaigns
  - ○ Client: [Confidential]
  - ○ Duration: December 2023 - Present
  - ○ Technologies Used: Python, K-means Clustering, Tableau
  - ○ Description: Analyzed customer data to segment customers into distinct groups for targeted marketing. Provided visual insights to inform marketing strategies and improve customer engagement.
  - ○ Key Achievements:
    - ▪ Increased marketing ROI by 25%.
    - ▪ Enhanced customer retention through personalized marketing efforts.

Qintess

Java Software Engineer
Nov 2022 / Jul 2023

- Developed Java solutions for Brazilian telecommunications companies

- Improved Attitude Determination for Unmanned Aerial Vehicles with a Cross-Shaped Antenna Array

- Created A&D projects

- Prepared reports

- Created new functionalities in Java

- Led development of scripts and programs for clients.

- Performed data modeling and maintained old and new data structures in PostgreSQL.

- Created functionalities to read images using java.awt.image to read tickets and checks.

- Improved security routines by validating user input to prevent code injections and using robust authentication and authorization mechanisms.

- Used Spring, JSP, and Servlets to extend the existing system interfaces.

- Technologies Used: Shell Scripting, SQL, Java, Spring, Spring SecurityHibernate, PostgreSQL, Git, JSP

GLOBAL HITSS

Java Software Engineer

Jul 2022 / Nov 2022

- Java development

- Code review

- Developed Git branches

- Created A&D projects

- Prepared reports

- Created new functionalities in Java

- Used Hadoop for big data related to hospital systems

- Reviewed code and created new functionalities using Java for hospitals using Java Spring.

- Used Swagger to generate API documentations.

- Used Postgres as a test database and Hbase as a production database for big data related to hospital systems.

- Used Thymeleaf to improve the front end.

- Used Hadoop and Spark to process big data systems.

- Technologies Used: Java, Swagger,Thymeleaf, Hadoop, Spark ,Git, Spring, Hbase database, postgress database

Engineering Ingegneria Informatica Spa

Java Software Engineer

Apr 2022 / Jun 2022

- Java Programmer skills: Computer Programming, Software Developer, Java, English

- Used: JPA (Java Persistence API) - Hibernate - Agile methodologies - Software development - Spring Boot - English - Spring MVC - Java

Accenture

Java Software Engineer

May 2021 / Apr 2022

- Led development of scripts and programs for clients

- Data Modeling - Maintained old data structure and projected new structures in PostgreSQL

- Image Processing: Developed functionalities using java.awt.image to process images such as tickets and checks

- Created functionalities to read images using java.awt.image to read tickets and checks

- Improved security routines

- Validated all user input to prevent code injections such as SQL injection, cross-site scripting (XSS), and other injection attacks

- Utilized robust authentication and authorization mechanisms to protect sensitive resources, including Spring Security

- Implemented tokens anti-CSRF to protect against CSRF attacks

- Microservices Development: Contributed to the design and implementation of microservices architecture using Spring Boot, enhancing modularity and scalability

- Big Data Processing: Leveraged Apache Spark for efficient data processing tasks

- CI/CD Implementation: Spearheaded the setup and maintenance of CI/CD pipelines using Jenkins for automated testing and deployment, ensuring rapid and reliable software delivery

- GCP Load-Balancing: Implemented Google Cloud Platform load-balancing solutions to ensure high availability and fault tolerance

- Utilized WAF to protect the application against application layer attacks

- Extended existing system interfaces using Spring, JSP, and Servlets

- Utilized Python and React for certain modules or components

- AWS Integration: Successfully integrated AWS services for cloud computing solutions, optimizing performance and scalability

- Utilized Apache Spark for data processing tasks

- Worked on tasks related to the development of the Hybris system for Vivo-telephone company.

- Performed code review and GIT branch management.

- Implemented functionality to find new potential clients.

- Technologies Used: Hybris,Java,Postgres

Instituto Nacional de Tecnologia da Informação - ITI

Software Engineer

Feb 2021 / May 2021

- Java Developer and Python Developer - RPA

- Executed methods and solutions in Java and Python

- Team and superior meetings

- Automation algorithms

- Developed Python solutions for automating certification processes.

- Used Extract to extract information for repetitive tasks.

- Used Django to create web apps to help clients send standardized info.

- Technologies used: Hibernate - Agile methodologies - Project management Software development - Spring Boot - Spring MVC - Java - Python

Tecnisys Tecnologias Inovadoras

Big-Data Hadoop Analyst

Aug 2018 / Dec 2018

- Responsible for building and maintaining Hadoop Clusters for Tecnysis clients

- Installed and maintained clusters

- Taught clients how to use Hadoop tools (Hive, Spark, Zeppelin, etc.)

- Created A&D projects

- Prepared reports

- Managed Hadoop clusters for clients

- Created Java solutions for web applications connected to Hadoop clusters

- Created Big Data analytical solutions for clients

- Developed lesson plans and taught clients about Hadoop solutions

- Created Linux Shell Scripts to automate the installation of Hadoop Clusters

- Automated cluster management process

- Identified and resolved various issues related to Hadoop clusters

- Taught clients about Big Data concepts and technologies

- Technologies used: Shell Scripting, SQL, Java, PostgreSQL, Hadoop, Scrum

- Led development of scripts and programs for clients.

- Created mapper and reducer classes.

- Configured Hadoop jobs using the created mapper and reducers.

- Managed Hadoop clusters for clients.

- Used Apache Pig and Apache Spark to create data analysis reports.

- Technologies used: Hadoop - Agile methodologies - Software development - Big data - Java

Ramal Estudantil IEEE UnB - Sociedade de Educação

President of Education Society

Jan 2016 / Sep 2018

- Responsible for the construction and maintenance of Hadoop Clusters for Tecnysis clients

- Installed and maintained clusters

- Taught clients how to use Hadoop tools (Hive, Spark, Zeppelin, etc.)

- Created A&D projects

- Prepared reports

- Managed Hadoop clusters for clients

- Created Java solutions for web applications connected to Hadoop clusters

- Created Big Data analytical solutions for clients

- Developed lesson plans and taught clients about Hadoop solutions

- Created Linux Shell Scripts to automate the installation of Hadoop Clusters

- Automated cluster management process

- Identified and resolved various issues related to Hadoop clusters

- Taught clients about Big Data concepts and technologies

- Technologies used: Shell Scripting, SQL, Java, PostgreSQL, Hadoop, Scrum

- Responsible for the creation and coordination of the Electron Project

- Goal of the Electron Project is to encourage students from public schools to pursue careers in Engineering or Exact Sciences

- Volunteers plan and teach basic electronics classes in a dynamic and practical way

- Received various awards under my coordination

Escola Nacional de Aprendizagem Pública - ENAP

BI Analyst

May 2017 / Jul 2018

- Designed demographic studies using BI technologies

- Developed Business Intelligence

- Big Data studies using data from public servers in Brazil

- Used Pentaho for data mining

- Used Python and R for data science studies

- Used Hadoop for data storage and loading

- Prepared reports

- Managed team work

- Implemented BI analysis for ambulance public system.

- Created database for data mining.

- Developed reports.

IEEE UnB
EdSoc Representative
Feb 2017 / Dec 2017

- Helped develop the IEEE Student Branch at the University of Brasília (UnB)

- Advocated for the interests of the Education Society (EdSoc)

Fundação Estudar
Ambassador
Aug 2016 / Dec 2016

- Training period to become a leader at Fundação Estudar

- Representative of the Education Society at the IEEE UnB student branch

Inova Telecomunicações e Sistemas
Software Engineer
Jan 2014 / Jul 2016

- Responsible for building and maintaining the software system for the public ambulance system in my city

- Created databases for data mining

- Created Python solutions for data mining

- Created data flow solutions for ambulance system panels using Java Spark

- Created visual solutions for the ambulance system in Brasília

- Managed real-time up-going solutions for the Brasília ambulance system using Java Spark

- Used AWS for data science analysis of the Brasília ambulance system

- Initiated the data culture in the company

- Led the software Scrum team

- Prepared reports

- Achievements: Analyzed and optimized the ambulance system, created dashboards for real-time visualization of the ambulance system, reduced the cost of the ambulance system by 30%, increased system performance

Ramo Estudantil IEEE UnB

Volunteer

Jan 2012 / Jan 2016

- Responsible for the creation and coordination of the Electron Project

- Goal of the Electron Project is to encourage students from public schools to pursue careers in Engineering or Exact Sciences

- Volunteers plan and teach basic electronics classes in a dynamic and practical way

- Received various awards under my coordination

Reach the World

Summer Intern

Jul 2013 / Aug 2013

- Selected for an internship at Reach the World in New York

- Responsible for developing lesson plans, administrative tasks, visiting schools, and teaching classes with teachers in New York and surrounding areas

Mecajun - Mecatrônica Júnior de Brasília

Consultant P&D

Jan 2010 / Jan 2012

- Part of the R&D management team focused on electronics for home/building automation

Mecajun - Mecatrônica Júnior de Brasília

Consultant

Jan 2010 / Jan 2012

- Conducted research with colleagues on relevant issues for the Research and Development Directorate

EDUCATION

Maharishi Institute of Management

Master on Computer Science

2019 / 2021

-

Instituto Cotemar

Bachelor of Mathematics

2018 / 2018

-

National School of Public Servants Learning

Business Intelligence Analyst

2017 / 2018

-

Instituto de Engenharia de Gestão (IEG)

Short MBA

2016 / 2017

-

University of Brasilia

Bachelor of Science in Mechatronics Engineering

2016 / 2016

-

Instituto Cotemar

Pedagogical Extension in Mathematics - R2

2016 / 2018

-

Universidade de Brasília

Bachelor of Engineering

2009 / 2016

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CERTIFICATIONS

- Data Analyst - CodeAcademy

- Hadoop - HDP Administração I
- Python Data Science ToolBox(Part2)
- Scrum Master
- Data comunications concepts
- Java Efetivo, Funcional e Perfomático - CoffeeAndIt
- Data Scientist - DataCamp
- Básico
- Diploma Arquitetura de Softaware
- Data Scientist - CodeAcademy
- Unsupervised Learning in Python
- Padrões de projeto - Java - Udemy

LANGUAGES

- Portuguese - Native
- English - Native