

Hyalen Moreira

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ABOUT

Software Engineer with 15+ years of experience, I have **Software Development** and **DevOps** experience. I enjoy developing software from the ground up, learning new technologies, refactoring legacy code and making the companies, where I've been working on, satisfied. With an open-mind and a drive to learn, my goal in life is to develop software that will advance humanity as well as inspire the next generation of programmers.

PROFESSIONAL EXPERIENCE

Accenture – as an Application Developer Associate Manager Columbus/OH, Mar/2019 – Current

- Designed, architected and developed a fun game to be used internally by Accenture to help people know each other. The goal was to increase the relationship between teams, allowing them to share experience;
- Acted as an **AWS Cloud Software Engineer** to innovate a service that enhances a big tech and entertainment company (in partnership with a large bank) customers delivery experience;
- Worked as a **Java Backend Software Engineer** in several projects, big clients and different kind of industries;
- **DevOps & Continuous Integration Engineer** for internal, regional and international projects. I bring projects to comply with the latest **Continuous Integration** and **Continuous Delivery** practices.

Key achievement: Contributed to migrate **Monolithics** applications to **Microservice** and **Cloud** architecture. Delivered apps with 100% on-time record and only minimal updates, following **Agile** methodologies and applying **XP** best practices. Acted as an **Anchor** helping new Engineers to increase their skills and ensuring that they follow best development practices.

cFive – as a Senior Software Engineer Laguna Hills/CA, Jun/2018 – Mar/2019

- **Spring Security SAML, Spring Boot, Java** - Designed, architected and developed a security model (through **Microservice Architecture**) to allow access to the LA County main system using **Microsoft AAD/MIM**. The system is accessed by government departments as FBI, Police Department, among others. This project is an implementation of a **SAML 2.0** Service Provider, completely built on **Spring Framework**. A web solution devised for Federated Authentication by integrating **Spring Boot** and **Spring Security SAML**. The configuration has been completely defined using **Java** annotations (no XML);
- **Full Stack Developer** (Java, Jersey, JPA, AngularJS, JavaScript, Bootstrap, HTML and CSS).

Flag IntelliWan – as a Senior Software Engineer (autonomous) Los Angeles/CA, Feb/2018 – Aug/2018

- **Java, Spring Boot, Spring Security, Spring Cloud, RESTful** and **SOAP web service** – Worked in a Java web systems backend development in an **Agile** environment for a middleware system responsible for business integration with Brazilian government (<https://github.com/hyalen-moreira/hcode>).

Conversant – as a Software Engineer Westlake Village/CA, Jun/2017 – Jan/2018

- **Java, Spring Boot, Spring MVC, RESTful** and **Hibernate** – Write code in an **Agile** environment for an online Ad Network company's **Java** API. Add server-side support for new SaaS UI features, address bug tickets in legacy system with focus on **TDD** and delivered quality projects that have been well-received;
- **Spring Cloud** – Implemented from scratch a central config server where all configurable parameters of applications are written version controlled. The benefit of a central config server is that if we change a property for an app, it can reflect that on the fly without redeploying the app. The solution maintains all properties of all environments (development, staging and production), and if any properties are changed, it will pick up the changes and reflect them without an application rebuild or restart;
- **Hazelcast** and **Spring AOP** – Implemented a distributed cache to lock correlated services being treated at the same time among different servers;
- Our tests are done in **Groovy** with **Spock**, but eventually I added the use of an in-memory **H2** database for testing models rapidly and without need for a network connection as we would require with integration tests; Other responsibilities include **Managing Releases**, improving release methods/tools and maintaining an old **Java** based project that keeps data synchronized between our local database and an external data store.

- Designed and developed a monitor dashboard based on **Java, Spring Boot, Angular, Bootstrap**, and **Hibernate** that provides a single pane of glass to visualize the overall integration process among systems, status of communication workflow, data validation and recovery error through message forwarding. The dashboard provides **REST** APIs and allows integration with 3rd party systems. By developing the monitor I was able to reduce the time spent on quality assurance, decreased defects and increase the operation reliability by improving the overall product quality;
- Designed a new data model that reduces in 40% the time of performing some **DB** operations;
- Designed and developed a batch model that reduced considerably the number of HTTP connections;
- Re-architected a complex data treatment, partially performing the parsing operations in memory instead of in the disk. By doing this I was able to reduce drastically the overhead parsing the **XML** (which used to be a big issue, due to the amount of data and servers that should be updated);
- Designed and developed an integration scenario to send data to a complex distributed system. This integration scenario, based on **Java** ScheduledExecutor, **SAP IDOC**, **SSH** and **Linux Rsync** tool, allows updates to more than 1000 retail stores in 30% of the time spent previously.

- Worked in a **Java** web systems **Back-End** development and performance tuning for the biggest **e-commerce** company in South America, using **Scrum** as **Agile** methodology, building and maintaining **RESTful** web services, time measurement and code review to identify issues and suggest improvements, developing new services, building tests using **JUnit**, **Mockito** and **Selenium** to improve the overall code quality and using **Jira** as **Agile** tool;
- I had also been part of a **Back-End** integration team for the **e-commerce** systems in a high-availability environment, using different technologies such as **EJB**, **Servlet**, **JSP**, **SOAP**, **REST**, **SFTP** and **Proxy**.

CERTIFICATES

- [CKAD - Certified Kubernetes Application Developer](#);
- [HashCorp Certified Terraform Associate](#);
- [AWS Certified SysOps Administrator](#);
- [AWS Certified Developer Associate](#);
- [CFCD - Cloud Foundry Certified Developer](#);
- [React \(by Udacity\), San Francisco CA - 2017](#);
- SAP Certified Development Consultant SAP NetWeaver (focus Java);
- Sun Certified Java Programmer; Sun Certified Web Component Developer;
- Sun Certified Enterprise Architect for J2EE Technology.

TECHNICAL SKILLS

- **Proficient in:** Java/Spring; **Familiar with:** DevOps, Hibernate, JPA; **Interest:** Backend Development, DevOps;
- **AWS:** IAM, EKS, VPC, EC2, S3, Lambda, API Gateway, CodeCommit, CodeBuild, CodePipeline, CloudFormation, Elastic Beanstalk, DynamoDB, CloudWatch, EventBridge, StepFunction and others
- **Architecture/Standards:** JEE, Microservices, JAX-RS, JAX-WS, Design Patterns, OOP, object and data modeling;
- **Test Tools:** JUnit, Karate, Spock, Selenium, Jasmine; **Data Interchange:** JSON, XML;
- **Paradigms:** Agile, SCRUM/XP, TDD, CI/CD processes, DDD (Domain Driven Design);
- **Others:** Terraform, Gradle, Maven, Kubernetes, NoSQL, Relational Database (Oracle/MySQL), Docker, Helm, Istio, Ansible, Git, Perforce, Stash, Bamboo, Jenkins, Nexus, Swagger, Tomcat, Jersey, jQuery, HTML5, CSS3, Bootstrap, SAP PI/PO, Linux/UNIX, JSP/Servlet.

ACADEMIC QUALIFICATIONS

- **Course:** Software Engineering – **University:** Universidade Federal de Minas Gerais – *Brazil, 2007*;
- **Course:** Technology in Data Processing – **University:** Centro Universitário UNA – *Brazil, 2000*.

LANGUAGES

- **Portuguese** – Native language;
- **English** and **Spanish** – Professional working proficiency.