Jalerson Lima, MSc

Senior Software Engineer

Phone: +49 176 59 661992
E-mail: jalerson@gmail.com

GitHub: http://www.github.com/jalerson
Website: https://jalerson.github.io
LinkedIn: http://www.linkedin.com/in/jalerson

Summary

Senior Software Engineer and former Professor of Software Development and Engineering at the Federal Institute of Education at Rio Grande do Norte. Master in Systems and Computing at the Federal University of Rio Grande do Norte.

Experience and Skills

- 12 years of software development experience using a variety of front and back-end technologies, platforms and tools
- 10+ years' experience in Ruby on Rails framework
- Experience on developing high-performance applications using Amazon Web Services
- Enthusiastic about Test-Driven Development and automated testing, especially using RSpec
- Strong background in Computer Science and Software Engineering
- Solid experience working collaboratively in agile environments, especially Scrum
- Experience using SQL and relational databases, such as MySQL and PostgreSQL
- Passionate for continuous learning and improvement

Work Experience

creditshelf Aktiengesellschaft, Frankfurt am Main – Germany

Senior Full-Stack Developer
April, 2018 – current

Currently, I'm working as a Senior Full-stack developer at creditshelf, which is a fintech company based on Frankfurt am Main. At creditshelf, I'm using my experience to support the company to improve their services and performance. In order to do that, my primary responsibility is to maintain our CRM, which is our main application, built in Ruby on Rails, to support sales, marketing, risk analysis and operations teams.

Following the industry best practices and trends, I've been working to extend CRM features using cloud services, especially those provided by AWS like Lambda, S3, SNS, SQS, and so on. I'm also responsible to maintain our homepage, which is built In Vue.js, mentoring new members of the IT team, especially working students, code review, as well as to interview candidates to our team.

In the development team, we're using Scrum with 2-weeks sprint, and, for each sprint, I like to perform one or two user acceptance tests (UAT) with the stakeholders. UAT has been really useful to understand even more the company needs and provoke discussion among the users, which makes feature releases more accurate to solve user problems and needs.

Federal Institute of Education at Rio Grande do Norte – Natal, Brazil

Fulltime Professor of Software Engineering
2010 – 2018

From 2010 to 2018, I was a full-time professor of software engineering, programming, web development and computer basics at the Federal Institute of Education at Rio Grande do Norte (IFRN). In these years as a professor, I had the opportunity to teach thousands of students, conduct research and educational projects, supervise students in their projects and so on.

Between 2010 and 2014, I was a classroom teacher, but in 2014 I accepted the challenge to teach remotely at the Distance Education Campus. In these years I've found how challenging can be teaching remotely, but it's possible to reach more students through remote education.

At the Distance Education Campus, I also work as a software developer, building applications following agile-based methodologies and TDD, to support managers, professors and other professionals in their day-by-day tasks.

Laboratory of Technology Innovations in Healthcare – Natal, Brazil
Senior Ruby on Rails Developer and Project Leader
2010 – March, 2017

Head developer of the Telepediatrics, which is a web application developed in Ruby on Rails using Test Driven Development (TDD), as well as agile methodology principles and practices. Telepediatrics supports non-specialist doctors in pediatric appointments, allowing them to discuss cases with remote medical specialists. In these days, Telepediatrics is a sofisticated web application, which handles sensitive and law-protected data, supporting doctors by using complex algorithms to perform statistical analysis and calculations, such as insulin therapy, Z-Score, percentiles of anthropometry measures, as well as automatic detecting issues on neurodevelopment, vaccination and so on. I also managed the team that built the Telepediatrics mobile application in Android, iOS and Windows Phone, as well as built an API to integrate our web application to our mobile app.

I had the opportunity to build, using TDD and an agile-based methodology, the Dengue National Observatory, which is a web application built in Ruby on Rails. This application aims to support public healthcare agents to track cases and proliferation spots of the Aedes Aegypt mosquito. See the application in action: http://youtu.be/kWvhaHXv-7o.

For two months, I also coordinated the SISCOAPES project, which is a web-based system built in Django, to support the federal government in monitoring the operation of medical residents in healthcare centers. All the application features were remotely negotiated with public healthcare specialists from the Brazilian Ministry of Health.

Sync Systems – Natal, Brazil
Senior Ruby on Rails Developer
2009 – 2010

Senior Ruby on Rails developer of the Telepesquisa CRM web application, built in Ruby on Rails and following agile methodologies principles and practices. The application was built by me from scratch: negotiating and collecting functional requirements at customer's site. This application had to import millions of records of other partner companies. I also was the head developer of the Bluesync, which is a Bluetooth marketing software developed in Java.

Symetrix Corp. – Colorado Springs, USA
Remote Systems Analyst Consultant
2008 – 2009

Remote Systems Analyst Consultant of the Eye of the Eagle project, which was an application to prevent tax evasion of the Rio de Janeiro government. This application was built in Java, C and C# components, handling with smart cards and RFID (Radio-frequency Identification). In this position, I had my first experience negotiating features and deadlines with the stakeholders in English.

Real Security – Natal, Brazil
Developer and Software Architect
2007

Software developer to build an Electronic Security Monitoring System used by the company. The application, built in Java, had to manage all the security signals sent by devices located in the customer houses.

Ministry of Education – Brasília, Brazil
Web Developer
2007

Web developer of the Knowledge Connections Portal to the Secretary of Continuing Education, Literacy, Diversity and Inclusion of the Ministry of Education. The portal, developed in Mentawai (Brazilian MVC Java Framework), was nationally used to register and monitor projects conducted by federal universities.

Brazilian Agency for the Aquaculture Development – Natal, Brazil
Web Developer
2006

Web developer of the RECARCINE Portal, built in PHP, which was a portal for the Brazilian Agency for the Aquaculture Development.

Education

Master of Science in Systems and Computing
Federal University of Rio Grande do Norte – Natal, Brazil
2012 – 2014

Specialist in Systems Engineering
Open Superior School of Brazil – Vila Velha, Brazil
2008 – 2010

Bachelor of Science in Software Development
Federal Institute of Education
2004 – 2007