



Rodrigo Mady

Full-Stack Software
engineer



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Software engineer at BairesDev, NodeJS, PHP, and frontend

Freelancer and CEO at Trema Technology, focus on distance learning development projects with data analysis, updating, backend, frontend, management, implantation, implementation, infrastructure, installation, migration, testing, and training using the LMS Moodle

Graduated IT Management at Catholic University of Brasília (UCB)

Eight years of experience with Distant Learning, seven years with PHP, and six months of experience with databases

Lover of the Open Source Community. Linux user. Theme Trema maintainer and active member of Moodle Brazil Community

Advanced technical English, basic Spanish, basic Italian, and native Portuguese

Studies

Graduation

Course: **IT Management** at **Catholic University of Brasília** (UCB) with a full scholarship by the federal system ProUni, 2013/15

Course: **Analysis and Systems Development** (until the fourth semester) at the UCB (double degree), 2016/17

Postgraduate studies in **Database** at the **Faculty Unyleya** (interrupted), 2020/21

Complementary courses

Bootcamp in Node JS, 160-hours workload by BairesDev, 2022

Security Awareness Fundamentals, 2-hours workload by BairesDev, 2022

Becoming a Human Firewall, 1-hour workload by BairesDev, 2022

The pre-incubation program, 420-hour workload by CocreacionLab DF, 2021

Node JS with NLW05, 8-hour workload by Rocket Seat, 2021

Vue.js Fundamentals, the workload of 1 hour by Vue School, 2019

Getting Started with Vue.js, 3-hour workload by Scotch IO, 2019

Introduction to ITIL, with a workload of 20 hours by the UCB, 2015

Launch of the COBIT 5 good practice guide - Portuguese version, with a 2-hour workload by UnB, 2015

Introduction to TSO and JCL, with a 20-hour workload from the UCB, 2014

Certifications

Scrum, 2018

Professional Experience - current

Software engineer at BairesDev: remote

2021 - **current**

PHP/Node JS Full Stack Developer

Development

Part of Top Talent Pool Bootcamp in Node JS: https://github.com/rmady/bootcamp_nodejs

Open Source Moodle plugin Theme Trema: remote

2019 - **current**

Plugin published for Open Source Community of Moodle, may/2019

More than 20000 downloads since 2019 and 3700 sites have Trema installed

Moodle official repository: https://moodle.org/plugins/theme_trema

Github: https://github.com/trema-tech/moodle-theme_trema

Professional Experience

Moodle Full Stack Developer at UNA-SUS: remote

2018/22 (3 years and 3 months)

Moodle Full Stack Developer at the Open University of SUS from Fiocruz. CMS, themes, final paper, modules, local Web Service plugin, maintainer of legacy plugins

Development

Moodle Plugins; PHP; Web Services (REST); git; Gitlab; MySQL; PostgreSQL; Javascript; jQuery; Grunt; VueJS; Axios; Shibboleth; HTML5; CSS; SCSS; and PHPStorm

Systems

LMS Moodle, Arouca Academic Management System and “Pacote Padrão da UNA-SUS” (PPU)

Moodle Full Stack Developer at Enap/EV.G: remote

2020/21 (1 year and 9 months)

Moodle Full Stack Developer. Manager of Moodle environments. Update version 3.3 for 3.7. Implementation and customization of courses. Troubleshooting related to Moodles systems

Development

Update of Moodle; Git; Gitlab; PHP; Laravel; Composer; Google Analytics; Web Services (REST); PostgreSQL; Javascript; jQuery; Grunt; HTML; CSS; SCSS; PHPStorm; SCRUM; Redmine; Astah; Jenkins; and Satis

Systems

LMS Moodle and *Secretaria*

Moodle Full Stack Developer at ICMBio: remote

2021 (1 year) - Trema Technology

Moodle Full Stack Developer and Moodle environment manager. Update version 3.3 to 3.9. Installation, configuration, Development of specific theme and plugins

Development

Update Moodle; git; Gitlab; PHP; Postgres SQL; Javascript; jQuery; Grunt; HTML5; CSS; and SCSS

Systems

LMS Moodle

Uruca Games: remote

2021 (4 months) - Trema Technology

Web designer

Development

Development of specific branding; git; Gitlab; PHP; Javascript; HTML5; CSS; SCSS; and Filezilla

Systems

Uruca Games

National Education Development Fund (FNDE): remote

2021 (5 months) - Trema Technology

Development of a specific theme based on theme Boost for version 3.10.

Styling a course

Development

Theme Development; git; Gitlab; PHP; Javascript; jQuery; Grunt; HTML5; CSS; and SCSS

Systems

LMS Moodle

Brazilian Confederation of Credit Cooperatives (Confedbras): remote

2020 (3 months) - Trema Technology

Installation, configuration, migration of three courses, installation of theme trema and others plugins in version 3.8

Development

Installation and development in Moodle; git; Gitlab; PHP; Postgres SQL; HTML5; CSS; and SCSS

Systems

LMS Moodle

International Film Academy (AiC): remote

2020 (2 months) - Trema Technology

Development of one specific theme based on theme snap for version 3.8

Development

Theme customization for Moodle; git; Gitlab; PHP; Javascript; jQuery; Grunt; HTML5; CSS; and SCSS

Systems

LMS Moodle

Plex Inovativa: remote

2020 (1 month) - Trema Technology

Consulting for Moodle environments

Systems

LMS Moodle

Startup Uuanted: remote

2019 (4 months)

Startup with React JS in frontend and Laravel in the backend

Development

React JS; Laravel; Bonita Studio; MySQL Workbench; and elaboration of Use Cases

Systems

uuanted.com.br

Enovus Publications: remote

2018/19 (6 months) - Trema Technology

Installation, configuration, theme development, and Moodle training in version 3.4

Development

Installation and development in Moodle; git; Gitlab; PHP; Composer; Postgres SQL; Javascript; jQuery; Grunt; HTML5; CSS; and SCSS.

Systems

LMS Moodle

Faros Technology: remote

2018 (1 month) - Trema Technology

Development of features for a module similar to the questionnaire, for version 3.3 of Moodle

Development

Moodle Plugins; HTML5; CSS; SCSS; Git; Gitlab; PHP; Composer; PostgreSQL; Javascript; and jQuery.

Systems

LMS Moodle

Chico Mendes Institute for Biodiversity Conservation - (ICMBio)

2017/18 (1 year) - Trema Technology

Creation of a new Moodle version 3.3 with development of custom solutions

Moodle version migration from 2.7 to 3.3

Development

Installation and development in Moodle; git; Gitlab; SVN; PHP; Composer; PostgreSQL; Javascript; jQuery; Grunt; HTML5; CSS; SCSS; Bizagi Modeler; Astah; and Trello

Systems

LMS Moodle

Developer/researcher at Enap

2014/18 (4 years)

Content implementer in Moodle, 2014/15

Start to develop Javascript plugins and after that in PHP, always in Moodle, 2016/17

Update Moodle version 2.3 to 2.7 in 2015, and update to 3.3 in 2017

Part of the development of one custom Academic System integrated with Moodle and other LMSs, 2017/18

Development

Moodle Updates; Git; Gitlab; PHP; Laravel; Composer; Google Analytics; Web Services (REST); SVN; Java; PostgreSQL; Microsoft SQL Server; Javascript; jQuery; Gulp; Grunt; YUI; HTML; CSS; SCSS; Adobe Edge Animate; PHPStorm; SCRUM; Redmine; Bizagi Modeler; Astah; Gantt; Jenkins; and Satis

Systems

LMS Moodle, Secretaria, and WebCEF

IT trainee at the Supreme Federal Court (STF)

2015 (6 months)

As a VBA trainee made a Javascript system for SQL queries and graphs

Development

VBA (reports and routines); PHP; JIRA; Oracle SQL; Javascript (jQuery, Ajax Request, Google Charts, Chart JS); HTML5; and CSS3

Systems

Benner and Integrator

Support Analyst I at Cimfel and Duramar Tintas

2014 (6 months)

PC support, queries in SQL, and reports.

Infrastructure

Active Directory; Exchange; basics networks; Terminal Service; Ultra VNC; SSH - by Putty; Xen Servers; Team Viewer; Installation and maintenance of printers; Backup Exec; CFTV (Intellex); and PC support (Linux, Windows XP and Windows 7)

Development

SQL Server 2008 (backup routines, restoration, report generation, repair of some NF-e, and others) and iReport (report generation linked to DB)

Systems

ERP Sankhya-W and Enterprise

Tools and programming

Programming Languages

Moodle; PHP; NodeJS; HTML5, CSS3 and SCSS; Javascript (YUI, jQuery, Ajax, Axios, ReactJS, Google Charts, ChartJS e libs jQuery); **SQL** (PostgreSQL, MySQL, Oracle, SQL Server, DML e DDL); basic C; *Java* SE and Java EE; basic Laravel; basic Cobol; Visual Basic

Requirements and Programs

Bizagi Modeler; Astah Community; Trello; Gantt; Pencil; MySQL Workbench; IDEs (**PhpStorm, Visual Studio Code**, Eclipse and NetBeans); Sublime Text; Notepad++; PGAdmin III; **Git** (**Gitlab**, Github, Atlassian); Vagrant; Jenkins; Redmine; SVN Tortoise; Adobe Edge Animate; Adobe Photoshop; and Gimp

Languages

Portuguese native language

English (advanced technical) CCAA, 2008/10 (2 years); Educational Center Gisno, 2011 (1 semester); Interscholastic Language Center (CIL), 2011/13 (2 years)

Italian (basic) UnB Idiomas, 2018 (1 semester)

Spanish (basic) UnB Idiomas, 2019 (1 semester)

Tupi-guarani (basic) Indigenous of São Paulo, 2020 (1 semester)

Volunteer work

2021 - Moodle Moot Brazil, online, 12 hours

2019 - Campus Party Goiás, held in Goiânia, 30 hours

2019 - 46th Quermesse of the Shin Buddhist Temple of Brasília, 10 hours

2014 - Free software dissemination event on Debian Day at UCB, 8 hours

2014 - Free software dissemination event at Software Freedom Day at UCB, 8 hours

Additional Activities

5 Honorable Mention certifications from the Mathematics Olympics

10th place in the individual Chess competition of schools in DF and 3rd of schools

Speeches

2021 - Latinoware

2021 - Moodle Moot Brasil

2020 - Moodle Moot Global

2019 - Campus Party Brasília

2019 - Campus Party Goiás

2015 - Roadsec Brasília

2014 - Workshop de TI UCB

2014 - Roadsec Brasília

2014 - Debian Day

2014 - Software Freedom Day

2014 - Latinoware

Own Lectures

2021 - Moodle Themes - How it provides more convenience for the end-user - Latinoware

2021 - How Theme Can Solve Your Problems - Moodle Moot Brasil

Apolitical Award

Apolitical Award, in the Remote Work Heroes category! - Enap 2020