

Pudim | Software Developer

London – United Kingdom

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Summary

Pronouns **she/her**. **Self-taught** hacker, C programmer and GNU/Linux advocate since **year 2000**, and professional **Ruby on Rails** developer since **2012 (~8 years ago)**. Moved to **London** in **2019 (~2 years ago)** to work as a developer. Believes that software development should be **driven by people's** needs. Experienced at **designing** and **implementing software**, as well as deploying **cloud infrastructure (AWS)**, learning new skills on the go and teaching others as required. Fluent in **Portuguese** and **English**.

Skills: ○ C ○ Ruby on Rails ○ GNU/Linux ○ AWS ○ SQL ○ libSDL ○ OpenGL ○ Git ○ Vim ○ ...

Professional Experience

Unboxed <i>Fullstack Ruby on Rails Developer</i>	London, United Kingdom 2018–2020
<ul style="list-style-type: none">○ Worked in Agile teams, collaborating with designers, product owners, end-users and other stakeholders○ Led developers in two projects for the public sector<ul style="list-style-type: none">- a patient remote monitoring MVP for the <i>Guy's and St Thomas' NHS Foundation Trust</i>- extension of a housing repair management system for <i>Hackney Council</i>○ Participated in a number of other projects, including<ul style="list-style-type: none">- update of a number of Ruby on Rails microservices for the <i>Government Digital Service</i>- localization of the <i>UK Parliament petitions website</i> for the <i>Welsh Parliament</i>- a discovery on how to improve the processing of development planning applications for <i>Southwark Council</i>○ Part of the 24h customer support on call team, monitoring critical applications and AWS infrastructure○ Taught junior developers	
AIS Digital <i>Backend Java Developer</i>	Brasília, Brasil 2018
<ul style="list-style-type: none">○ Integrated enterprise SOAP Webservices and REST APIs○ Debugged and optimized the company's BI product	
Wololo <i>Backend Ruby Developer (contractor)</i>	Recife, Brasil 2017
<ul style="list-style-type: none">○ Modelled the application business logic and database○ Designed and implemented the application's API	
Papo de Homem <i>Fullstack Ruby on Rails Developer (contractor)</i>	Remote Brasil 2016–2017
<ul style="list-style-type: none">○ Responsible for technical support○ Developed a public API and implemented push notifications for mobile clients	
Bebop <i>Intern Polyglot Developer</i>	Brasília, Brasil 2011–2014
<ul style="list-style-type: none">○ Worked in multiple projects involving electronics, IoT, computer graphics and computer vision○ Participated in the development of <i>LambLamb</i> — an automated Instagram printer (Java, Ruby on Rails)○ Presented projects to users and provided technical support during exhibitions	

Courses and Certifications

Amazon Web Services <i>Certified AWS Cloud Practitioner</i>	2020
Princeton (Coursera) <i>Bitcoin and Cryptocurrency Technologies</i>	2017
Stanford (Coursera) <i>Machine Learning</i>	2016

o <https://www.coursera.org/account/accomplishments/verify/NE32SCRBV3F6>

TECHtraininG

MSP430 microcontroller with FRAM memory

2012

IEEE

Arduino Hack Day

2011

Personal Projects

Em Edificação

Author

2006–Now

Em Edificação – translated *Edification* – is a 3D videogame written from scratch in C using **libSDL** and **OpenGL**. My biggest personal project, on which I've been working on and off throughout many years.

- o Implemented a **Solid Leaf BSP Tree** compiler for collision detection and polygon sorting
- o Implemented a **Sequential Impulse** solver for real-time physics simulation
- o Ported to **Linux** and **Android** and modern browsers with **WebGL** – thanks to **Emscripten**

Newest version still to be made public, but older incarnations can be found at:

- o https://github.com/pudiva/teh_engine
- o https://github.com/pudiva/engine-on-Qua-Ago-29-09_42_48-BRT-2007

Rogix/Gordax

Co-Author

2006–2011

A multilib **GNU/Linux distro** for x86_64 inspired by the *Linux From Scratch* book, motivated by an insatiable desire to control one's own computer and build everything from source.

- o Designed and/or implemented
 - a package manager
 - multilib header file wrappers
 - bootscripts
 - a build script framework
- o Built a myriad of binary software packages (including **gcc**, **glibc** and **X11**) from source
- o Used as main OS for ~5 years — until it's host computer passed away

Some of it's source code was salvaged and is available at:

- o https://github.com/pudiva/rogix_gordax

Some Contributions to Free/Open Source Software

Git

C language, shellscript

mergetools: add support for nvimdiff (neovim) family

2020

- o <https://github.com/git/git/commits?author=pudiva>
- o <https://public-inbox.org/git/20200718192001.27434-1-rogis@skylittlesystem.org/>

Emscripten

C language, Python

Add MP3 support to SDL2_mixer

2020

- o <https://github.com/emscripten-core/emscripten/pulls?q=author%3Apudiva>

SDL_image

C language

Fix XPM having white as color key (transparency)

2020

- o https://hg.libsdl.org/SDL_image/rev/082214c629d1
- o https://bugzilla.libsdl.org/show_bug.cgi?id=4964

Gimp

C language

Fix #4560 - file-xpm saving unused transparency

2020

- o <https://gitlab.gnome.org/GNOME/gimp/-/commit/22bedfc3>

govuk_schemas (Government Digital Service)

Ruby

Fix RandomSchemaGenerator.new always returning equivalent generators

2020

- o https://github.com/alphagov/govuk_schemas/pulls?q=author%3Apudiva

UK Parliament petitions

Ruby

Forbid URIs on signature names

2020

- o <https://github.com/alphagov/e-petitions/pulls?q=author%3Apudiva>

Active Graph (Neo4j.rb)

Ruby

Fix wait_for_connection not waiting for connection

2020

- o <https://github.com/neo4jrb/activegraph/pulls?q=author%3Apudiva>