

# Aaron Cruces Cáceres

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*Full Stack Developer and Linux System Engineer*

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## Professional job experience

- 2023: **I.T. Teacher**, *IPG Professional Institute*,  
March-June Mejillones,  
Technologies: Microsoft Office  
Teaching and training on the practical uses of I.T technologies needed in each assigned career. Primarily using Microsoft Office, since it was required by the nature of the professions of the careers
- 2023: **Computer Engineer and technician**, *IPG Professional Institute*,  
March-June Mejillones,  
Technologies: Microsoft Excel, SMB Samba, FreeBSD, Linux (Arch and Debian)  
I.T. solution installation on student admission office.  
Shared folder and backup solution deployment on dedicated server on FreeBSD. Using SMB Samba and ZFS (mirror).  
Data manipulation and reporting using Microsoft Excel and TypeScript.  
Network architecture analysis on collaborator school "Julia Herrera Varas".
- June 2022 - **React web developer and Linux Systems Engineer**, *Tecnojosue*,  
March 2023 Remote Development, Concepcion, Mejillones,  
Technologies: ReactJS, TypeScript, Prisma ORM, ExpressJS, Linux (Arch and Debian), Bash scripting (unix) and BAT (Windows), Web file serving (SMB, Cloudflare DynDNS, Portainer-Docker)  
Web application development for inventory management. Made with ReactJS and TypeScript.  
"Self hosted" application deployment on Linux servers using Docker, Cronjobs and SystemD daemons.

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- 2021: **PHP Full Stack Developer**, *Te Para Tres, Santiago, Chile*,  
 September-October Remote development,  
 Technologies: PHP, VSCode, GIT, XDebug, Laravel, FacturaScripts, Trello  
 Maintenance of Laravel legacy systems. Integration and development from existing and new systems to a PHP plugin based model in FacturaScripts.
- 2021: **Freelance MERN Full stack developer**, *TeslaDelta, Concepción, Chile*,  
 May-August Remote development,  
 Technologies: TypeScript, ReactJS, ReduxJS, Webpack, NodeJS, NPM, ExpressJS, MongoDB, Bootstrap, Sass, Figma, Ngrok SSH remote tool  
 Web platform creation for inventory management, QR and bar code scanning and, updating products in a database.
- 2020: **Computer engineer and VBA developer**, *Moldava; Intergrade, Lo Barnechea's*  
 September-December municipality, Santiago, Chile,  
 Technologies: Excel VBA, Aida64, Microsoft SMB, Acronis True Image  
 Scrapping and parsing of Aida64 reports using Excel's VBA Macros. OS migration. Software installation and managing.
- 2020: **Computer engineer**, *Intergrade; Just Services, Dirección de presupuestos. Minis-*  
 February-April terio de hacienda, Santiago, Chile,  
 Technologies: Microsoft VBScript, Microsoft SMB, Acronis True Image  
 OS migration automatization with VBScript. Software and hardware installation and managing.
- 2019: **Computer technical support**, *Advanced Computing Technologies, Hospital de*  
 October-November Urgencia y Asistencia Pública. Santiago  
 Work under contract for computer support services in the hospital. Coordination and communication between medical and technical personnel.
- 2019: **Linux systems engineer. Computer technician**, *La Casa Del Notebook, San*  
 August-October Diego's street, Santiago, Chile,  
 Technologies: Clonezilla, Linux, MercadoLibre, Microsoft Windows, Microsoft Excel  
 Linux systems installation and managing. Computer technician tasked with the software area. Hardware maintenance and repair. Inventory management and selling of computer equipment.

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- March 2017 - **I.T. Engineer**, *Ecacom S.P.A.*, Molycop; Terquim. Mejillones,  
 November 2018 Technologies: OpenWRT, Microsoft Office, Microsoft Windows  
 Various kinds of works related to computing and information technologies. Including customer relationships; equipment management, and maintenance; design, configuration, and installation of network OpenWRT system.
- 2016: **MEAN Full stack developer**, *Netland School*, Antofagasta, Chile,  
 July-November Technologies: JetBrains WebStorm, AngularJS, Bootstrap, HTML, CSS, JavaScript, NodeJS, ExpressJS, MongoDB, Yarn, Gulp, Yeoman, Trello  
 Development of computer system for connecting teachers and students. Building web services and an android mobile application. Built in a team of 3 engineers.
- 2016: **PHP Frontend developer**, *Netland School*, Antofagasta, Chile,  
 March-June Technologies: JetBrains PhpStorm, PHP, Wordpress, Cpanel, HTML, CSS, JavaScript  
 Web platform made for the communication of activities in class. Developed on the WordPress CMS platform, for the design and administration of the activities.
- 2016: **JAVA Developer**, *Regional education ministry service of BioBio*, Concepción,  
 January-March Chile, Concepción,  
 Technologies: Java, Eclipse, Swing, Apache POI, Microsoft Excel  
 Form application for accounting, automatization, and delivery of payments for workers.

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## Hobby projects

**Linux Music Setup**, *Personal project for musician, Laptop Midi Workflow*,

Technologies: Linux, SSH, TMUX, MIDI, Jack Audio Connection Kit, KXStudio  
Cadence, VST/VSTi Linux Plugins

MIDI Setup for musician for use in a zero-config manner in a laptop with minimal requirements.

**Windows Music Setup**, *Personal project for musician, MIDI Gamepad instruments*,

Technologies: FLStudio, ASIO4All, MJOY, MidiYokeNT

MIDI Setup for musician. Use of gamepads as MIDI instruments.

**Lithophane 3D Printing**, *Grandmother's birthday gift*,

Technologies: Autodesk Fusion360, GIMP, LuBan3D Lithophane Creator, Autodesk  
MeshMixer, PrusaSlicer, Prusa MK2s 3D Printer

Lamp made with lithophane panes with grandchildren images. Frame design made with  
Fusion 360. Lithophane creation with GIMP → LuBan → Meshmixer. Fabricated with  
Prusa MK2s 3D Printer.

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## Academic background

2009-2017 **Computer civil engineering**, *Universidad Católica del Norte, Antofagasta, Chile,*  
*Engineer sciences bachelor's degree*

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## Abilities

### Languages

- ReactJS
- ReduxJS
- ExpressJS
- Jest
- TypeScript
- MongoDB, Mongoose
- SQL
- HTML
- CSS
- VBA
- VBScript
- PHP
- JAVA
- BAT
- Bash
- C++
- VB.net
- LaTeX

### Technologies

- NeoVim
- GIT
- Visual Studio Code
- JetBrains Webstorm, PhpStorm
- SysAdmin Linux
- Windows
- Microsoft Office with VBA
- Fusion 360
- VMWare, VirtualBox
- OpenWRT, ddWrt
- GIMP
- FFF 3D printing
- MIDI
- ZFS

## English language

Written	Mid-High	<i>Fluid writing</i>
Read	High	<i>Understanding any book or article</i>
Spoken	Mid-High	<i>Fluid conversation at normal speed</i>
Listened	High	<i>Understanding any audio, podcast and conference in native language</i>

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