DENILSON FIGUEIREDO DE SÁ MAIA

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Who am I?

Hello! I'm a software developer and I've been writing code since my teenage years. I'm a full stack developer: I've written code from assembly languages to high-level languages, from back-end to front-end.

I like helping people. When I'm building user interfaces, I'm always thinking about the user, aiming to make the UI as simple, as intuitive, and as resilient as possible.

I'm a curious person, I like learning how things work. I also like building electronic circuits using microcontrollers or a Raspberry Pi.

Education

- **UFRJ**—Rio de Janeiro, Brazil
  Bachelor's degree in Computer Science (2003 - 2011)
- **CEFET/RJ**—Rio de Janeiro, Brazil
  Technical education in Informatics (2001 - 2002)

Skills

- **Spoken Languages:**

  - Portuguese: native language.
  - English: fluent.

- **Computer Languages:**

  - Proficient in JavaScript, Perl, Python, Shell Script.
  - Proficient in HTML, CSS, SVG, Vue.js.
  - Familiar with Assembly, C, C++, Go, Lua, PHP, SQL.

- **Operating Systems and Network:**

  - Advanced Linux user. I've used Slackware, Gentoo, Ubuntu, Manjaro.
  - Familiar with standard Unix/Linux tools and common Linux services.
  - Familiar with TCP/IP, routing, NAT, common network services and protocols.

- **Other skills (as a hobby):**

  - Electronic circuits, microcontrollers (like Arduino), Raspberry Pi.

Experience

- **Full Stack Software Developer – Booking.com, Amsterdam (September 2016 - now)**

  - Worked on the guest-facing website, on the hotel-facing website, and on many internal tools.
  - Worked with Perl at the back-end and with JavaScript, jQuery and Vue.js at the front-end.
  - Also worked with Go, Hadoop and Java.

- **Software developer at aceitaFacil, Belo Horizonte (March 2014 - December 2014)**
  - *aceitaFacil was a start-up focused on receiving and distributing online payments.*
  - Refactored and expanded the existing HTTP RESTful back-end in PHP.
  - Wrote a user-facing web-based dashboard in Python and Django.
  - Wrote some deployment scripts in bash.

- **Software engineer at Google Brazil, Belo Horizonte (November 2011 - August 2013)**
  - Wrote code in many languages: C++, Java, Go, Python, JavaScript, bash.
  - Wrote Chrome extensions as tools for internal development.
  - Worked with Map-Reduce and Protocol Buffers.

- **Software developer at Vialink, Rio de Janeiro (July 2007 - July 2011)**
  - *Vialink is a small company specialized on network infrastructure, software development, and ISP (Internet service provider).*
  - Worked on web applications using Python, Django, MySQL, JavaScript.
  - Wrote a module for generating PDF from a Django template using LaTeX.
  - Wrote a Python module for creating/previewing labels in EPL2 language.
  - Helped with Linux server maintenance and network troubleshooting.

- **Sysadmin of a computer lab at UFRJ (2003 - 2007)**
  - Managed a dozen Linux/Windows machines and a couple of Linux servers.
  - Network configuration and troubleshooting, including DNS, firewall, NFS, Samba, SSH and other common Linux services.

Programming Competitions

- **OBI (Brazillian Olympiad in Informatics)** contestant in years 2002 and 2003. Fifth place in 2003 (gold medal), and third place in IOI-2003 selection.
- **IOI (International Olympiad in Informatics)** contestant in 2003.
- **ACM ICPC (International Collegiate Programming Contest)** contestant in years 2004, 2005, 2006 and 2007. Eighth place (bronze medal) in 2006 Brazillian Finals.
- **Google Code Jam Latin America** contestant in 2007, 22nd place at on-site finals.

Open Source Projects and Contributions

- prettyping, a shell script wrapper for ping providng a better UI. It has over 1000 stars on GitHub.
  https://denilsonsa.github.io/prettyping
- USB HID absolute pointing device using an ATmega8 AVR 8-bit microcontroller and a magnetometer. Firmware under 8KB written in C.
  https://github.com/denilsonsa/atmega8-magnetometer-usb-mouse
- Many small personal projects, including shell scripts, GUI applications, browser extensions, web-based tools. . .
  https://github.com/denilsonsa
  https://devpost.com/denilsonsa