

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. I'm starting to explore the world of playing music on a keyboard. I'm a father of a lovely child.

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.
 - Dutch: learning.
- **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

- **Frontend Developer – ING, Amsterdam (May 2024 - present)**
 - Worked with JavaScript, LIT, Web Components.
- **Full Stack Software Developer – Booking.com, Amsterdam (September 2016 - July 2023)**

- Worked on the guest-facing website, on the hotel-facing website, and on many internal tools. Both on the back-end and on the front-end.
- Worked with Perl at the back-end, and with JavaScript, jQuery and Vue.js at the front-end.
- Also worked with Go, Hadoop, Java, and Jupyter notebooks.
- **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.
- **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 L^AT_EX.
 - 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 (Brazilian 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 Brazilian Finals.
- **Google Code Jam Latin America** contestant in 2007, 22nd place at on-site finals.

Open Source Projects and Contributions

- prettyping, a shell script providng a better UI for ping. It has over 1100 stars on GitHub.
<https://denilsonsa.github.io/pretyping>
- 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>
<https://codepen.io/denilsonsa>