

# Antoine Bagnaud

FULL STACK DEVELOPER

La Poignardière, 44240 La Chapelle-sur-Erdre, France

☎ (+33) 7 70 14 98 82 | ✉ [bagnaud.antoine@gmail.com](mailto:bagnaud.antoine@gmail.com) | 📺 r0xsh | 📷 abagnaud

## Skills

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- Programming** Node.JS, C/C++, Rust
- Web** PHP, VueJS, jQuery, HTML5, CSS3
- System** Debian, ArchLinux, FreeBSD, Windows
- Others** Redis, MySQL, Git (Versioning), Unit tests, Computer networks
- Languages** French (native), English (TOEIC: 720)

## Formations

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### {EPITECH}

Nantes, France

EXPERT IN INFORMATION TECHNOLOGY

2015 - 2016

- Learning memory management and assembler bases.
- Daily practice of C language.
- Projects varying between 2 weeks and 2 months, alone or in a group of 2 to 4 peoples.
- A raycasting project by creating a "DOOM 3D like" game, using the SFML library.
- A virtualization machine project by creating a "Corewar".
- Various other projects: shell, infinite calculator, ping pong, sudoku solver, communication with UNIX signals...

### Technical college St Félix-laSalle

Nantes, France

BACHELOR'S DEGREE DIGITAL ELECTRONIC SYSTEMS

2012 - 2015

- Specialization in telecommunications and networks.
- Learning the basics of electronics
- In-depth theoretical learning of communication protocols, network frame analysis
- Configuring Cisco routers and switches, VLANs and inter-vlans routing, subnets
- Configuring PBXs and Asterisk servers (telephony)
- Configuring FTP servers, HTTP cache (Squid), Web, SQL

## Personal projects

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### Creating a GameBoy Emulator

DEVELOPER (CURRENT PROJECT)

- Using Mozilla's Rust language.
- Reading a ROM
- Emulation of the Zilog Z80 processor.
- Emulation of the "MMIO" <Memory-mapped I/O> allowing communication between the devices

### Creating a shared hosting

DEVELOPER & SYSADMIN

- Configuration of a LAMP stack.
- Isolation of each web site using Linux containerization tools.
- Secure FTP access, Anti-DOS, log parsing, loadbalancing memory and processor, quota space per user.
- Automation scripts when creating a website (unix user, ftp access, database, disk quota, isolation)
- Scheming a private RESTful API

### Participation in the "Global Game Jam"

Nantes, France

DEVELOPER

Jan. 2017

- Learning the basics Unity and C# language.

## Professional experiences

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### Lycée Talensac

NETWORK ADMINISTRATOR - INTERNSHIP

- Management of a computer park of 700 posts.
- Creating deployment scripts.
- Computer maintenance.

*Nantes, France*

*Dec. 2014 - Mar. 2015*

### Instant Electronique

SEDENTARY TECHNICIAN - INTERNSHIP

- Installing and configuring routers.
- Creation of coppered lines.

*Nantes, France*

*Dec. 2013 - Mar. 2014*

### Diff'info

MAINTENANCE TECHNICIAN - INTERNSHIP

- Computer maintenance.
- Installation and configuration of Orange routers.

*Nantes, France*

*Dec. 2012 - Mar. 2013*

### Mediagraph

TRAINER - INTERNSHIP

- Training of people in professional retraining to the use of Windows and Microsoft Office.

*Nantes, France*

*Dec. 2010 - June. 2011*