

YOANN MAILLAND

Senior Fullstack Engineer

@yoann@nayon.fr

+33 633 906 923

yoann.dev

Aix-Les-Bains, France

EXPERIENCE

Senior Fullstack Engineer

Apitrak (RFID Discovery subsidiary of Paragon ID)

Jun 2015 – Mar 2021

Grenoble, France

- Development and improvement of Django app for geolocation trackers
- Development of next generation UI with Vue/VueX using Quasar Framework
- Development of next gen scalable backend using micro-services and time-series DB (Python, Redis, InfluxDB, Docker)
- Implemented event driven architecture
- Development of second version of a wifi-tracker on ESP32 with FreeRTOS

Company size: 1-5 pers, 3 devs

VC founded. Acquired by ParagonId in 2021.

<https://www.rfiddiscovery.com/en>

Software Engineer

VITEC

Sep 2011 – Mar 2013

Châtillon (Paris), France

- Team work for cross platform framework development for auto configuration of audio/video IP/RTP streaming on embedded hardware
- Component Object Model inspired framework
- Autonomous work on development, testing, and support of a video streaming (6xSD) RTSP/RTP embedded platform (C, Lua, Linux)

Company size: 50-60 pers.

<https://www.vitec.com/>

TECHNICAL SKILLS

Programming Languages

- Python ★★★★★
- JavaScript ★★★★★
- TypeScript ★★★★★
- Elixir ★★★★★
- Haskell ★★★★★
- C++ ★★★★★
- Rust ★★★★★
- Lua ★★★★★
- Go ★★★★★
- Java ★★★★★

System Administration

- Debian/Arch/Getoo Linux ★★★★★
- Nix ★★★★★
- FreeBSD ★★★★★
- ZFS ★★★★★
- Vim/Neovim ★★★★★
- SSH ★★★★★
- Security ★★★★★

Frameworks & Technologies

- Django ★★★★★
- VueJS ★★★★★
- Redis ★★★★★
- InfluxDB ★★★★★
- PostgreSQL ★★★★★
- Phoenix ★★★★★
- Ecto ★★★★★
- Docker ★★★★★
- Docker Swarm ★★★★★
- Kubernetes ★★★★★
- Git ★★★★★

PROJECTS

Elixir – TypeScript – Nix

Learning Project

📅 2024 – now

- Creating of an Elixir backend for a web application, using Ecto (PostgreSQL), Phoenix (with websockets)
 - Deployed on multiple servers (Erlang OTP), using Nix derivations to create a dev environment and Docker containers
 - Use of Google Gemini AI APIs
 - Project deployed on a Docker Swarm, hosts communications encrypted on a Wireguard VPN
 - Frontend build with VueJS 3, using TypeScript and the Quasar Framework
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Homelab

Personal Server Management

📅 2008 – now

- Linux server configuration: Docker, Podman, iptables, email, DHCP, DNS
- 10 Gbps fiber network, iSCSI ZFS JBOD

Haskell Learning

Learning Project

📅 2019 – 2021

Learning Haskell and building JSON parsers, Servant API client, developing a blog with Spock and extended Lucid DSL.

SmarHome

Personal Project

📅 2020

Built a Go server to receive requests from Amazon Alexa devices and execute custom arbitrary actions.

Smartplug

Personal Project

📅 2015

Built WIFI controllable electrical socket using ESP8266 and RTOS SDK.

Working Holiday Visa

Traveling

📅 2013 – 2015 / 2022 – 2024

📍 Australia, Canada

- One year WHV in Australia after traveling through South East Asia
 - Two years WHV in Canada, first year in Montreal, second year in Vancouver
 - Manual labor in oats processing plant (forklift driving, night shifts), harvesting
 - Worked in demolition (stripping down buildings for recycling)
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EDUCATION

Engineering degree

Télécom St-Étienne

📅 2008 – 2011

📍 St-Étienne, France

ERASMUS Program

Tampere University of Technology

📅 2009 – 2010 (during Engineer degree)

📍 Tampere, Finland

Software development, computer architecture and telecoms

Technical Degree in Networks & Telecommunications

IUT Annecy

📅 2006 – 2008

📍 Annecy, France

Networks, Telecoms, Software (Java project)

LANGUAGES

French
Mother tongue

English

Listening_____C2

Reading_____C1

Spoken interaction_____B2

Spoken production_____C1

Writing_____C1

Spanish

Listening_____A2

Reading_____A2

Spoken interaction_____A1

Spoken production_____A1

Writing_____A1

INTERESTS

-  Cycling
-  Hiking
-  Running
-  Snowboarding

-  Travel
-  Photography
-  Coffee
-  Cooking

-  Electronic
-  3D Printing
-  Mechanics