

Yann CAYRAC

Software Engineer

CONTACT INFORMATION

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EDUCATION

**Masters of Science - Computer Science
and Communication Networks**
CPE Lyon University
2019

**Bachelors of Science - Computer Science
and Communication Networks**
CPE Lyon University
2017

SKILLS

- ✓ React, Angular, Polymer, JavaScript
- ✓ Node.js, PHP, Java
- ✓ TS, Mocha, Chai, Git, GitLab, TDD
- ✓ MongoDB, SQL
- ✓ Docker, Jenkins, Ansible
- ✓ Linux/CentOS/Windows server admin
- ✓ UML, API, MVC, MVVM Microservices
- ✓ Agile, Scrum
- ✓ UI, UX, Needs Analysis

LANGUAGES

- ✓ French: Fluent Spoken & Written

ABOUT ME

I am a software engineer with many technologies and skill sets in my back pocket, as well as a creative thinker of innovative features and new ideas. I have created quality front-end and back-end applications from scratch. I have a solid grasp of unit testing, systems administration, and deployment in complex work environments. I also have experience quickly understanding existing applications and enhancing them within tight deadlines.

EXPERIENCE

Altran | Software Engineer Consultant

October 2019 - February 2021

- Created predictive maintenance widgets for trucks using **Polymer/TS** and enhanced the **Node.js/TS/MongoDB** back-end platform for Volvo. Coded unit tests with **Mocha** and **Chai**. Deployment handled with **Docker** and **OpenShift**. Tight collaboration with data scientists creating predictive algorithms in an **agile structured team**. The components predictions provide information that directly reduces the number of truck mechanical failures and time off the road.
- Enhanced, supported, and migrated an existing finance application to the cloud for SNCF. Development in **Vanilla JS** on the frontend and **PHP** and **Node JS** on the backend. Deployment with **Jenkins** and **Docker** and systems administration on **Windows and Ubuntu servers**. The Management of this application allowed several multi million euro budget plans to be created and followed effectively.
- Created a decision support system with **React** and **Node.js** for Altran based on the analytic hierarchy process (AHP). The application enables decision makers to make scientific and coherent decisions using unquantifiable criteria.

EDF | Software Engineer

September 2016 - September 2019

- Created a continuous integration platform for Liferay using **Jenkins** and **Ansible** and handled **RedHat system administration** of the VMs. My platform allows nuclear plant technicians to access their home portal and keep it updated.
- Created a mobile-first application with **Angular** and **Node.js** connected to Planisware's API to give clear and concise planning information for nuclear plant technicians in real-time.
- Developed a continuous integration platform with **Jenkins** and **Ansible** to deploy Planisware, a tool for planning operations in nuclear plants. The platform deploys and updates planning software in 26 nuclear plants.

ISORG | C++ Developer

April 2016 - June 2016

Analyzed needs and constraints, and then developed a test platform for an light sensor assembly line.