

Rémi Pace

Software engineer. Montpellier, France. @: remi.pace@protonmail.com

My work

I am a software engineer: from user needs, I create reliable and scalable software solutions.

I strive to fully understand the needs of my users to find the most effective solutions. I take care of the interfaces and documentation of my applications to make them attractive and accessible.

I intervene on all aspects of the software: from the server infrastructure to the user experience. I create platforms with technologies adapted to the problems and constraints of the projects.

I seek maximum quality and productivity. I implement tools to allow developers to focus on adding value to products (continuous integration, static code analyses, debug tools, development aids, etc.).

If necessary, I support my team members' skills development using good development practices and group work sessions (pair coding and more).

These days I work with these technologies:

- Server infrastructure: Google Cloud Platform, Amazon Web Services, Kubernetes, Docker, Ansible, GNU/Linux, ...
- Databases: PostgreSQL, MySQL/MariaDB, MongoDB, Elasticsearch, SQLite ...
- Languages: Javascript, Typescript, Java
- Interfaces: React, Redux, Bootstrap, CSS, SASS, HTML5, Electron.js, React Native...

My last evening project is online, try it: <https://abc-map.fr>. This is a little glimpse of what I can do.

Professional experiences

Fullstack developer @ Elwave

◉ Since March 2023, company [Elwave](#)

🔧 Development of several desktop applications to control Elwave sensors and process their data.

Tasks:

- Setting up a version management and continuous integration server (Gitlab / Gitlab CI)
- Creation of several office applications:
 - with advanced quality processes (static code analyses, automated tests, etc.)
 - with neat appearance: implementation of UI/UX mockups, dark and light themes, ...
- Multiple data representations, common or custom displays
- Cartographic representations of data

Technologies used:

- Node.js, Electron, Typescript, SQLite, Openlayers, gRPC, PNPM, Turbo
- HTML5, Sass, React, Redux, React Router, Bootstrap, Figma
- Git, Gitlab, Gitlab CI, ESLint, Jest, Sinon.JS, WebdriverIO, Electron Forge, Webpack, Dependency Cruiser
- Ubuntu 20.04, Docker, Docker Compose, SSH, OpenSSL, Bash

Lead developer @ Believe IT / Brain New, "Lila" project

◉ From January 2019 to March 2023, company [Brain New](#) ([project site](#))

🔧 Creation of a set of applications to manage enterprise visitors. Lila is a virtual hostess. Lila welcomes visitors, answers their questions, and notifies members of her company. In case of failure or for specific needs, a human operator can accompany visitors by videoconference.

Tasks:

- Creation and maintenance of platform applications:
 - 4 web applications
 - 1 desktop application
 - 1 mobile application
- Deployment of applications on Google Kubernetes Engine
- Implementation of continuous integration, automated tests and code reviews
- Organization of Agile ceremonies (sprint plannings, demos, retros, etc.)
- Training of junior developers in Javascript and Typescript
- Implementation of tooling for a better development experience

Technologies used:

- Node.js, Typescript, Express, MongoDB, Redis, Electron, Yarn, Lerna, Dialogflow V2 API, Twilio (Audio/Video, SMS)
- HTML5, Sass, React, Redux, React Router, Bootstrap, RxJS, Formik, Yup, ThreeJS, JWT, WebRTC, Socket IO, Figma
- Git, Gitlab, Gitlab CI, ESLint, Mocha, Jest, Autre.JS, Istanbul, Cypress, Webpack, Dependency Cruiser, Electron Builder
- Ubuntu, Alpine Linux, Kubernetes, Helm, Google Cloud, Docker, Docker Compose, SSH, OpenSSL, Bash, git-crypt, Datadog, NGINX
- React Native, EAS Expo

Lead developer @ Believe IT / Brain New, “Connected Fleet” project

◉ From 2019 to 2021, companies [Believe IT](#) and [Groupama Support et Services](#)

✍ Creation of a connected vehicle fleet management platform. The objective of this platform is to facilitate the management of numerous vehicles and encourage safe and eco-responsible driving, respecting privacy of drivers.

Tasks performed:

- Creation and maintenance of platform applications:
 - 2 backend applications
 - 1 web application
- Deployment of applications on Amazon Elastic Kubernetes Engine
- Implementation of continuous integration, automated tests and code reviews
- Performance tests
- Processing of telemetry data from on-board devices (IOT)
- Integration of external data sources (French road network [OpenStreetMap](#), file [BAAC](#), ...)
- Implementation of tooling for a better development experience

Technologies used:

- Java 8-11, Spring, Spring Boot, Maven, Vavr, Lombok, Mapstruct, Micrometer, JGroups
- Node.js, Angular 7-9, NgRx, Jasmine, Typescript, Leaflet, RxJS, Cypress, Webpack, Bootstrap
- RabbitMQ, MariaDB, PostgreSQL (Amazon RDS), Elasticsearch (Amazon ES), Terraform, Helm
- Git, Gitlab, Gitlab CI, PMD, Python, Gatling, Prometheus, Postfix

Fullstack developer @ Agysoft, “Sélénée” project

◉ From 2018 to 2019, company [Agysoft](#).

✍ Developer integrated into the Sélénée project team, a platform for connecting French territorial organizations and suppliers.

Tasks:

- Backend development, Spring Cloud framework and Spring Boot
- Redeployment of an existing solution architected in microservices
- Deployment and administration of a Gitlab / Gitlab CI source management server
- Continuous integration and deployment with Gitlab CI
- Creation of data import and processing pipelines to better test and develop
- Reorganization of development Git repositories
- Encryption of secrets, creation of a certificate authority and management of TLS certificates
- Monitoring with Prometheus and Grafana

- Slack deployment bot in Python
- Implementation of tooling for a better development experience

Technologies used:

- Java, Spring, Spring Boot, Spring Cloud, Maven
- Node.js, NPM, Python, Typescript
- Git, Gitlab, Gitlab CI, Ansible, Docker, Docker Compose, git-crypt, OpenSSL, Slack
- PostgreSQL, MongoDB, Elasticsearch, RabbitMQ, Postfix, Nginx, Bind9, OpenSSL, VMWare ESXi

Fullstack developer @ Bee Buzziness, “Bee Library” project

◉ From 2017 to 2018, company [Bee Buzziness](#).

✍ Back-end developer integrated into the team in charge of server infrastructure clustering.

Tasks:

- Backend development Typescript, Javascript, NodeJS
- Participation in the implementation of micro-services
- Deployment of Kubernetes on virtual private servers, deployment of applications with Helm
- Infrastructure automation with Terraform and Ansible
- System administration: GNU/Linux Debian, CentOS
- Creation of a web administration interface
- Development of a permissions system for company applications
- MongoDB database

Technologies used:

- Node.js, Typescript, Express, MongoDB, Redis, Lerna, Nats, RabbitMQ
- HTML5, Sass, React, Redux, React Router, Bootstrap, Figma
- Git, Gitlab, Gitlab CI, ESLint, Mocha, AutreJS, Istanbul, Cypress, Webpack
- Debian, Ubuntu, Kubernetes, Helm, Docker, Docker Compose, Ansible, SSH, Bash, NGINX

Fullstack developer (intern) @ Silverpeas

◉ From May 2016 to September 2016, company [Silverpeas](#).

✍ Creation of a multimedia instant communications system easily integrated into a web interface. This system allows conversation by text or video, collaborative text editing, screen sharing.

Tasks:

- Fork of an open source messaging (JSXC)
- Improved appearance and structure of code
- Added new features: many to many videoconferencing, integrated collaborative notebook, ...
- Creation of a Google Chrome extension

Technologies used:

- NodeJS, JQuery, Sass, Gulp, Grunt
- XMPP, Openfire, WebRTC
- Ubuntu Server 16.04 LTS, PostgreSQL, Docker

Previous career: Army, Navy

Infantry soldier for the 92nd Infantry Regiment, Clermont-Ferrand (69), France.

Sailor on board the frigate La Fayette, Toulon (83), France.

Non-commissioned officer for the watchtower of Homet, Cherbourg-Octeville (50), France.

Several missions abroad, several distinctions.

Training

Master's degree IC2A DCISS (Computer Development)

2016 - Pierre Mendès France University, Grenoble (38), France imss-www.upmf-grenoble.fr

Master's degree in computer engineering at the University of Grenoble Alpes, obtained with honours.

Bachelor's degree in Geography

2014 - University of Rennes II, Rennes (35), France univ-rennes2.fr

With honors.

TOEIC

2012 - French Navy, Lanvéoc Poulmic (29) etsglobal.org

International English test. Language practiced regularly. 810 dots.

And more

Abc-Map

Abc-Map is my most successful personal project. It is available here: <https://abc-map.fr>

It is first of all a tool that allows you to create and export geographic data in the blink of an eye, but also a project that allows me to discover, learn and apply new programming techniques.

Well, that's when I have some time in the evening ;)

Public profiles

- Github: <https://github.com/remipassmoilese/>
- Gitlab: <https://gitlab.com/remipassmoilese/>
- Linkedin: <https://fr.linkedin.com/in/r%C3%A9mi-pace-380a61108>
- Summary and links: <https://remi-pace.fr/>