Remi Pace

Software engineer

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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, Terraform, GNU/Linux (Debian, Ubuntu, Centos), . . .
- Databases: PostgreSQL, MySQL/MariaDB, MongoDB, Elasticsearch, . . .
- Languages: Javascript, Typescript, Java
- Interfaces: React, Angular, Redux/Ngrx, Bootstrap, CSS, SASS, HTML5, Electron.js, React Native. . .

My last evening project is online, try it: https://abc-map.fr.

Professional experiences

Project Lila

From January 2019, company Believe IT

Lila is a virtual hostess. Lila welcomes visitors, answers their questions, and notifies the members of his company.

Technologies and tasks:

- Typescript, Express, Lerna backend development
- Dialogflow V2 API
- Conversations and interactions as code
- Frontend development React, Redux, Jest, Cypress, ThreeJS
- React Native mobile app, Expo EAS
- MongoDB database
- Docker, Google Kubernetes Engine, Alpine Linux
- Continuous integration and strict code reviews, with Gitlab CI, Gitlab CI Kubernetes Executor
- Simple CLI tooling for a productivity-oriented development experience

Position held: lead developer.

Connected Fleet

From January 2019 to January 2021, companies Believe IT and Groupama Support and Services

Vehicle fleet management software for Groupama Support and Services. The objective of Connected Fleet is to encourage safe and eco-responsible driving, while respecting the privacy of users.

Technologies and tasks:

- Java backend development, Spring, Maven, Vavr, Lombok, Mapstruct, PMD, Angular 7,8,9

- Frontend development Angular 9, Ngrx, Jasmine, Typescript, Leaflet
- End-to-end testing with Cypress
- Data processing clustering with JGroups and RabbitMQ
- MariaDB, PostgreSQL (Amazon RDS), Elasticsearch (Amazon ES) databases
- Deployment in Infrastructure as Code on Amazon EKS (Kubernetes) with Terraform and Helm
- Continuous integration and strict code reviews, with Gitlab CI, Gitlab CI Kubernetes Executor, and Python scripting for deployment
- Performance measurements with Prometheus and Micrometer
- Simple CLI tooling for a productivity-oriented development experience
- On-board device (IOT) telemetry data
- Data on the French road network OpenStreetMap
- Data from the file BAAC

Position held: lead developer.

Sélénée

From June 2018 to January 2019, company Agysoft.

Within a publisher specializing in public procurement management, Fullstack developer integrated into the team of development of the Sélénée project, a platform for connecting public buyers and suppliers.

Technologies and tasks:

- Architecture in micro-services, Spring Cloud framework and Spring Boot
- Redeployment of all the infrastructure with Docker-Compose and Ansible, in Infrastructure as Code
- Deployment of a Gitlab / Gitlab CI instance
- Continuous integration and deployment with Gitlab CI (internally hosted)
- Validation and deployment process involving non-technical personnel
- Data import and processing pipelines to test and develop with production data
- Reorganization of development Git repositories
- Administration of PostgreSQL, MongoDB, Elasticsearch, RabbitMQ, Postfix, Nginx, Bind9 servers
- Management of secrets with fine permissions (SSH keys, passwords, TLS certificates and internal authority)
- Monitoring with Prometheus and Grafana
- Slack deployment bot in Python
- Simple CLI tooling for a productivity-oriented development experience

Position held: fullstack developer, devops developer.

Bee Library

From July 2017 to June 2018, company Bee Buzziness.

Within an innovative startup specialized in dematerialization of documents, integrated back-end developer to the team in charge of clustering the server infrastructure.

Technologies and tasks:

- Typescript, Javascript, NodeJS development.
- Microservices architecture
- Orchestration of Docker containers with Kubernetes
- Infrastructure automation with Terraform and Ansible
- Development of web administration interfaces (VueJS, ReactJS)
- Development of a permissions system
- Administration of GNU/Linux Debian, CentOS systems
- MongoDB database

Position held: fullstack developer, devops developer.

Silverpeas

From May 2016 to September 2016, company Silverpeas.

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

Technologies and tasks:

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

Position held: intern developer.

Previous career: Army, Navy

Infantry soldier for the 92nd Infantry Regiment, Clermont-Ferrand (69), France. Sailor on board the Light Frigate Furtive La Fayette, Toulon (83), France. Permanent 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

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

imss-www.upmf-grenoble.fr

Bachelor's degree in Geography

2014 - University of Rennes II, Rennes (35), France

univ-rennes2.fr

TOEIC

2012 - French Navy, Lanvéoc Poulmic (29)

International English test. Language practiced regularly. 810 dots.

etsglobal.org