

# Fullstack Engineer (Backend / Devops / Frontend)

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**Benoit BAZARD**

## EDUCATION

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- 09/2014 – 06/2018 **Télécom SudParis (Évry – France)**  
Engineering degree
- 08/2016 – 06/2017 **Asian Institute of Technology (Bangkok – Thailand)**  
Master of Computer Science

## WORK EXPERIENCE

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- 06/2022 - Now **Full-Stack Engineer at Captain Data (Data automation software for sales and marketing)**
- Refactoring of the UI of third-party connections like linkedin and twitter in angular, 30+ third party
  - Migration of the backend in python from flask to fastapi (300 endpoints, 150k lines of python code) in order to improve the stability by introducing typing, continuous integration and automated tests in a team comprising two people
- Technical environment: angular, python, fastapi, sqlalchemy, google cloud platform, docker, postgresql, mongodb
- 08/2020 - 06/2022 **Web application to teach english to french speakers (realized on my own)**
- I designed and coded the application and the backend in one year and a half.
- Frontend UI/UX: tutorial, lessons, exercises, login with OAuth2, unlockable levels, telemetry
  - Backend: Spaced Repetition algorithm, authorization server, HTTP API, monitoring, security, automated deployment, database change management
- Product demo video: [pragmalingo.com/demo.mp4](https://pragmalingo.com/demo.mp4)
- Technical environment: typescript, angular, python, postgresql, nodejs, nativescript, css, figma, flask, uwsgi, nginx, keycloak, docker-compose, sqitch, netdata
- 08/2018 - 04/2020 **Software Engineer at Amadeus (leading travel technology company)**
- In a scrum team monitoring flight search and reservation (biggest flow amounting to 20 Terabytes/day)
- Metrics processing, data cleaning, normalization, aggregation, statistics (C++/Scala)
  - REST API and an internal UI tool to query it to display customized graphs (Python/Angular)
  - Migration of monitoring flows to Openshift (C++/Kubernetes)
- Technical environment: Typescript, Python, Angular, C++, Scala, Spark, Kafka, ElasticSearch, Kubernetes, Openshift, Google Cloud Platform
- 08/2017 - 11/2017 **Internship at Dassault Aviation (a major player to aeronautics)**
- Designed an automatic fault detection mechanism of sensors with machine learning techniques
- 08/2016 - 06/2017 **Master's thesis on deep learning (see thesis on github)**
- "Identifying license plate character segmentation boundaries using convolutional neural networks" in python (numpy, pandas, matplotlib, caffe) for a thai company in road traffic video surveillance
- 06/2015 - 09/2015 **Internship at Outscale (Cloud Provider)**
- Tutorial creation on how to deploy a cluster of virtual machines in the cloud with Docker, Vagrant, VirtualBox, Ansible, nginx (kubernetes didn't exist at the time)

## LANGUAGES

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NATIVE	French
FLUENT	English - TOEFL 97 TOEIC 955

## SKILLS

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TECHNICAL	JavaScript, Python, Angular, SQL, Docker, Kubernetes
ORGANIZATIONAL	Experience in international environments, and in full remote environments