

# Antoine Champion

## Senior Software Engineer

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Developer with experience from a consulting firm, a small business, a NASDAQ 100 company, along with one entrepreneurial effort and multiple projects. I love to challenge myself and learn by going out of my comfort zone.

## Technical skills

### Programming

C# • Python • JS / TS • Java • C++

### Back-end

ASP.NET • Django • Spring • Node

### DevOps

Kubernetes • Docker • Azure • GCP

### Databases

MySQL • Redis • MSSQL • MongoDB

### Front-end

Razor • React • Angular

### Planning & Teamwork

Git • SVN • Gitflow • Agile

Legend: **expert** • *intermediate*

Spoken Languages: French (native), English (fluent, TOEIC: 980/990)

## Education

### School

2020 • Engineering school (MSc / Grandes Écoles), Arts et Métiers ParisTech

*Coursework*: Computer Science, Statistics, Project management, Product design, Lean management

2017 • Classes préparatoires Jules Ferry, Versailles

2015 • High-school diploma, Lycée Georges Cabanis, Brive-la-Gaillarde

### Certifications

2020 • Offensive Security Certified Professional (OS-80497)

2018 • [Machine Learning, Neural Networks and Deep Learning](#), [Improving Deep Neural Networks, Regularization and Optimization](#), [Convolutional Neural Networks, Structuring Projects, Sequence Models](#) - Stanford University

## Experience

Salesforce - Sr. Software Engineer (L5)

Since May 2022, Paris, France

**Technologies**: Java, JS, Proprietary Tech Stack

Cloud-based CRM platform for developing and deploying business applications.

- Contributed to a [product suite](#) accounting for \$5B+ of the company's annual revenue targets, collaborating in globalized teams (Paris / San Francisco).
- Developed massively distributed systems which support customer governed logic through multi-substrate programming languages, frameworks and no-code tools (Apex, Salesforce SQL, Lightning, Flows).
- Key contributor in an [initiative](#) for ingesting unstructured content into our products for Gen AI grounding and semantic search functionalities, leading to a scaled-up initiative to 5 scrum teams.

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## Valorissimo - Software Engineer

Feb. 2021 - May 2023, Paris, France

**Technologies:** TypeScript, Django, NodeJS, Angular, Kubernetes

B2B real estate marketplace relaying developer offers to contractors.

- Rewrote a low-code Azure API Gateway to a load-balanced and fault tolerant containerized application.
- Created an orchestrator on top of Kubernetes to deploy on-demand instances of the applicative stack.
- Integrated a CRM software suite into the marketplace using large scale data pipelines.
- Architected an electronic signature microservice out of a monolithic back-end, in strong collaboration with product owners and UX designers.

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## Soundspear - Founder and sole developer

Since Dec. 2020

**Technologies:** C++ (Boost, JUCE), C#, JS, React, Kubernetes

Editor of audio software for music composers and sound engineers (soundspear.com).

- Created and managed the brand from design to delivery: programming, marketing, distribution.
- Wrote core software including performance-critical C++ code for real time audio processing and implemented state-of-the-art digital signal processing techniques.
- Developed an [open-source IDE](#) targeting real-time audio application development
- Created a web platform for software distribution, licensing APIs and multi-platform continuous integration.

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## Digigladd - Intern (6 months) then Developer

Aug. 2019 - Feb. 2021, Paris

**Technologies:** Python, Django, Keras, C#, ASP.NET, Kubernetes

Consulting & investment firm on various applicative, web and AI projects.

- Design, development and integration of a deep learning pipeline for an advertising regulator to analyze age and gender based on hundreds of hours of videos.
- Acquisition of online retailers, rebuilding e-commerce platforms from scratch and implementation of referral systems to maximize engagement and revenue.
- Evaluated the technical abilities of several IT entrepreneurs for venture capital investing.

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## A&M Junior Entreprise - Software Engineer

Jan. 2018 - Apr. 2018, Lille, France

**Technologies:** C#, .NET Core, Google OR-Tools

Student-run consulting organization that provides services to diverse businesses.

- Designed algorithms to match and optimize employees with assignments for a travel company using operations research.

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## Interests

- Writing software as a hobby since I was 13. Started with Commodore BASIC.
- Music, especially computer assisted music.
- Travel, searching for unusual places (went to Transnistria, Faroe Islands, Georgia...)
- Spent 2 months in Hai Phong, Vietnam to teach French to Vietnamese children (summer 2019).

## Projects

- [Proof of concept](#) of a method for generating highly metamorphic assembler code using neural networks.
- Contributor to the open-source chess engine [Stockfish](#).
- Creator and maintainer of [a library](#) (*open-source*) to the R programming language.
- Occasional [writer](#) for the journal Towards Data Science on Medium.

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## References (Contact information available on request)

Bata Chadraa: *Sr. Director at Salesforce*

Alain Ducoulombier: *Lead Software Engineer at Salesforce*

Pierre-Henry Baudin: *Solution Engineer at Google, former CEO of Digigladd*

Jean-Pascal Rambaud: *Tech Lead at Valorissimo*

Yohann Barré : *Former CTO of Digigladd*