

NICHOLAS CHARRIERE

Software engineer (specialized in python), looking for opportunities to work as a data scientist/software engineer. I love math, data, tech, code, and solving problems.



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<https://github.com/nichochar/>



<http://nicholascharriere.com>

EXPERIENCE

Senior Software Engineer — URX (python/go/scala/js)

Worked on the platform team to help design, implement, maintain and document various elements of the URX micro service architecture.

2015-2016

1 year

Feed ingestion ETL and indexing for our knowledge graph from multiple different sources using spark, HBase and Elastic Search.

Refactored and added features to our API and other micro services (DataBase interfaces, js template generating HTTP server, internal tools for business and product team)

Helped extend our service discovery library, inspired by curator with clients in go, python and js. Allows services to register themselves and/or discover others, based on zookeeper at the deeper level.

Developed and maintained a front-end mobile-web analytics SDK to track user interactions with our units, with the server architecture behind it with an SLA of > 100 reqs/s.

Server Team — StarMaker Interactive (python/HTML5/CSS3)

Worked on the whole server stack: API, various backend jobs for data ingestion and analysis. Designed data schema, web and mobile clients APIs, as well as admin tool.

Responsible for the product management of the company website (www.starmakerstudios.com / 150.000 visits a month) and main front-end developer.

Development of admin tools for the non engineering team.

Data Scientist Intern — Data Publica (python/js)

Data Publica had a unique graph of French companies and their relationships Worked on developing predictive models to generate leads for french companies based on previous clients.

2013-2015

2,5 years

summer 2013

4 months

EDUCATION

Mines ParisTech executive engineering school "grande école" Masters diploma

Diploma, Executive Engineering and Management (top french engineering school), majoring in *innovation & entrepreneurship*. Modules include database optimization, cryptography, economics, math (algebra, statistics, calculus), information systems, operations research, machine learning.

Intense math, physics and chemistry classes in order to prepare the French national competitive exam to enter this school (finished #66 / 14,000)

2008-2013

TECHNICAL SKILLS

Strongest in **python** and **javascript**, but I feel comfortable working in any language. I have decent experience with **java**, **go**, **scala**, and some experience with **C**.

Very familiar with **linux** boxes infrastructure and **bash**, various version control protocols.

I have a lot of **web** experience, all across the stack, both desktop and mobile.

I also have some **data science** background, and feel comfortable there given my heavy math background from school. If you want to see a finalized webapp I built, check <http://avostories.com>

INTERESTS

Technology

Photography (<http://500px.com/nichochar>)

Basketball (school captain 2010)

Tennis

Downhill Mountain Biking

Music (12 years of piano, drums)

Travel

Startups

Chess (~ 1500 ELO, let's play!)