

Nicholas Charriere

Developer, problem solver, tech lead

nicholascharriere.com

github.com/nichochar

San Francisco, CA

nicholascharriere@gmail.com

415 400 9427

WORK EXPERIENCE

Software Developer & Tech Lead, Pinterest - *June/2016 - present*

- [Infra] Led design & implementation on the new rule engine for the protect team (distributed elixir + python system similar to Druid that allows for real time exploration of data as well as rule application, with custom DSL, columnar store, query engine, and frontend for analysts)
- [Core] Worked on the API and it's tooling (python)
- [Product] Supported the new user experience team for any data pipelines, API, and backend needs
- [OSS] Was part of the open source initiative, owning projects, encouraging open source mentality and contributions, and owning a few projects (pymemcache, snappass, elixometer)

Senior Software Developer, URX - *June/2015 - June/2016*

- Worked on the platform team to help design, implement, maintain and document various elements of the URX micro service architecture.
- Feed ingestion ETL and indexing for our knowledge graph from multiple different sources using spark, HBase, Elastic Search, HDFS, Redash
- 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
- Developed and maintained a front-end mobile-web analytics SDK to track user interactions with our units

Software Engineer, Server team, StarMaker Interactive - June/2013 - June/2015

- Worked on the whole server stack: API, various backend jobs for data ingestion and analysis, data schema and DB interfaces (GCE, appengine, webapp2)
- Summer intern for Bong working with D3 visualizations, 12 weeks in 2011.

SIDE PROJECTS

Avostories: web-based daily story writer to encourage a creative writing habit

Open source: I care deeply about contributing back and try and do so with many different projects (python and elixir)

EDUCATION

2013 Masters in Theoretical Math and Physics, Mines ParisTech - France

- Diploma, Executive Engineering and Management (top french engineering school), majoring in innovation & entrepreneurship.
- Modules include Math, Physics, economics, and various CS classes with an emphasis on versatile scientific problem solving

2010/2011 - Classe Préparatoires aux Grandes Ecoles

- Intense math, physics and chemistry classes for 2 years in order to prepare the French national competitive exam to enter engineering schools (finished #66 / 14,000 nationally)

TECHNICAL SKILLS

Distributed systems, data pipelines, python, javascript, elixir, java, SQL technologies, NoSQL technologies