

Ariel CHENET

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Professional Experience:

* *Back-end Developer, Astek and OVHCloud, Lyon, France* - September 2021 - present. Backend developer for a large data storage and cloud computing company. Replaced two aging legacy endpoints written in Perl receiving millions of requests per day with faster (average request processing time down from 50ms to 20ms, a 2.5X increase in speed), safer (thanks to static typing) Go code. Responsible for implementation and application of rigorous testing procedures to ensure code correctness. Developed a new API service to determine quality of data for hundreds of thousands of OVH clients. Added features on the main API service for customer data. Added features to another API service focused on determining the quality of customer data. Servicing technical debt, including large refactors of the main API, migrating to a different observability solution (Warp10 to Prometheus and Mimir).

* *Golang Developer, TitanDC France, Mougins, France* - January 2021 - September 2021. Backend developer for a small data storage and cloud computing company. Completely refactored command-line client for IaaS product. Added features to the main Go API of IaaS product.

* *Research Internship, Institut de Mathématiques de Marseille (CNRS), Marseille, France* - March 2020 - June 2020. Research internship, focusing the use of algebraic tools such as the semi-tensor product to discover properties of genetic regulation networks.

* *Sales Associate, H&M Rue de Rivoli, Paris, France* - June 2017 - August 2018. One of the busiest (up to 3,000 customers per day) fashion shops in Paris, with a wide variety of clientele from all corners of the globe. It was a great way to become interested in the global economy, and develop the ability to juggle many demanding responsibilities.

* *Tutoring Mathematics* - September 2017- present. Professionally as a freelancer and for the University of Aix-Marseille. Giving math lessons teaches how to communicate abstract ideas to people who may not easily understand them. Also requires good time management and scheduling skills to manage multiple students in addition to studies and other simultaneous activities. Nowadays I simply help friends with their math questions when I can. Sharing knowledge gives me a great deal of joy.

Education:

* *Master de Mathématiques et Applications - Parcours Informatique et Maths Discrètes* - Université Aix-Marseille Luminy, Class of 2020. A two years Master's degree in mathematics, specializing in discrete mathematics and computer science.

* *Licence Mathématiques* - Université Paris 7 Denis Diderot, Class of 2018. A Licence in France is the equivalent of a Bachelor's in other countries. It is a French undergraduate degree.

* *Memorial High School* - Houston, Texas. The near entirety of my primary and secondary education occurred in the American public school system in the United States.

Programming and Technology:

My github can be found at github.com/achenet, my gitlab is gitlab.com/achenet. My personal website is arielche.net.

* *Go (Golang)* - Ample professional experience as a back-end developer, working on REST APIs, microservices and distributed systems. Use of frameworks and technologies including: **Gin-gonic**, **Prometheus**, Hashicorp **Raft**, **Cobra**, **gRPC**, and **Viper**. Some personal projects.

* *Linux/UNIX/Shell/Server Administration* - My personal computer runs **Ubuntu** with the **fish** shell. My work computer runs **macOS**, which is BSD-based and uses **zsh**. I have **oh-my-zsh** installed on both home and work computers, and I have an **AWS** EC2 instance running **Debian** which I use for various personal projects, as well as a **Vultr** virtual machine running **FreeBSD** and have worked on remote Debian machines with **bash**. I also use web hosting and cloud services from **OVH** and **Google Cloud Platform**. I've used **Docker**, **RabbitMQ**, and **Kafka** in production settings.

* *Git* - Use of **Gitlab** in professional and personal contexts, **Bitbucket** in a professional context, and **Github** for personal use.

* *Databases* - Experience with **MongoDB**, **PostgreSQL**, **MariaDB** and **MySQL** in production settings.

* *Miscellaneous* - **Python** for various personal and school projects, **NodeJS** with the Mocha testing framework for testing, some **React** for personal projects, work on legacy code in **Perl**, and rudimentary **HTML/CSS** for my personal site and various other small projects. I've also dabbled a bit with the functional programming languages **Clojure** and **Elixir**, and use **Rust** for personal projects.

Languages:

* *French* - Bilingual. I was born in France, spent the first six years of my life there, and moved back when I was 19. I am a fluent, native French speaker.

* *English* - Bilingual. I moved to Houston, Texas, United States, when I was six years old and was educated in the public school system from second grade until I graduated high school. I also spent a year at King's College in London, UK, studying English Language and Communication. English is the language I have the greatest ease of expression with.

* *German* - Competent. I studied German for four years in high school, have traveled to Germany multiple times (Munich, Berlin, Hamburg, Frankfurt), and have had the good fortune to make a few German speaking friends to practice with. I can generally have enjoyable, simple conversations with German speaking strangers I meet at parties.

Athletic and Artistic Activities:

* *Sports and physical activities* - I practice Olympic weightlifting, and previously used to compete, and enjoy rock climbing. I've run track, boxed and practiced savate (competitively), gotten involved with street workout and calisthenics groups, and done brazilian jiu-jitsu at various points in my life. I also like dancing, and am currently exploring various yogic practices, notably AcroYoga.

* *Music* - I sing, compose songs, and do music production with FL Studio. I previously have played guitar and in several rock bands as well as in street performances, played in a samba inspired drumline and mixed.