

EMPLOYMENT

Senior Software Engineer	Terrastruct (Remote - San Francisco/US)	April 2022 - present
<ul style="list-style-type: none">• Optimized the graph layout engine (TALA) memory usage and speed by 4x.• Improved the team productivity with tools to simplify the debugging/profiling steps of the layout engine.• Researched and implemented the engine for hierarchical and sequence diagrams, opening a new user base.		
Senior Backend Engineer	Zyte/Scrapinghub (Remote - Cork/Ireland)	Nov 2021 – April 2022
Platform team / Scrapy cloud <ul style="list-style-type: none">• Built a scalable job scheduler to improve resource usage and improve the throughput for a big customer.• Maintained and monitored highly available, distributed services on top of a cloud cluster with 30+ computers, running thousands of web crawling jobs and extracting millions of data records per hour.		
Software/Data Engineer	Zyte/Scrapinghub (Remote - Cork/Ireland)	Nov 2018 – Nov 2021
<ul style="list-style-type: none">• Delivered, and led teams to deliver, monthly TBs of high quality data extracted from the web, growing businesses all around the world from startups to FAANGs and \$B hedge funds.• Built distributed, reliable and scalable pipelines/workflows to extract data, fix data records, detect data drifts.		
Software Engineer	Inventti (Onsite - Blumenau/Brazil)	Jan 2015 - Feb 2016 Sep 2017 - Nov 2018
Myrp - Cloud ERP and Point of Sale (POS) <ul style="list-style-type: none">• Built a standalone POS software integrated with Myrp ERP bringing thousands of new customers.• Built an integration library allowing other POSs to communicate with Myrp ERP bringing new big customers.		
Software Engineer	Ellevo (Onsite - Blumenau/Brazil)	Jan 2012 – Jan 2015
<ul style="list-style-type: none">• Built a mobile optimized version of a web messaging system.• Mentored 6 interns through their journey to become full-time software engineers.		

EDUCATION

Curitiba, Brazil	Universidade Federal do Paraná (UFPR)	Jan 2016 – May 2018
<ul style="list-style-type: none">• M. Sc. in Informatics: Research in Computer Vision and Deep Learning for Facial Expression Analysis.		
Blumenau, Brazil	Universidade Regional de Blumenau (FURB)	Jan 2011 – June 2015
<ul style="list-style-type: none">• B. Sc. in Computer Science		

TECHNICAL EXPERIENCE

- **Flight Fare Scraper** (2022). Built a scraper to automate my search for award flight fares on Brazilian airlines. Tech: Python, scrapy, rewriting in Go.
- **Brazilian Sign Language Recognition** (2015). Built a web based app to recognize signs of the Brazilian Sign Language using the Leap Motion device. Tech: C#, Javascript, Machine Learning.

ADDITIONAL EXPERIENCE AND AWARDS

- **Hackerspace and GruPy Blumenau** (2019 - present). Organize monthly tech meetups/events in Blumenau.
- **Professor at FURB** (2019 - 2021). Taught classes on Python/R, Information Retrieval, Data Visualization.
- **Open Source**. Contributed to scrapy/tools from Zyte, and to Terrastruct's D2. <https://github.com/ejulio/>.

Languages, Technologies and Practices

I have used the following items on personal, academic or work related projects

- Python; Go; C# .NET; Javascript; SQL (MySQL, SQL Server, PostgreSQL); Redis; NoSQL; Docker.
- RabbitMQ, Apache Kafka; Event Streaming; Batch Processing; Apache Mesos; Grafana; Micro services.
- Scrapy; Django; FastAPI; Pandas; Numpy; Jupyter Notebooks; scikit-learn; OpenCV; Tensorflow; PyTorch.
- CI/CD; SOLID; TDD; Design Patterns; Agile; Observability; Git.