

Davide Taviani

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Experience

Netxjournal

LEAD DEVELOPER

- Full-stack development using Clojure/Clojurescript
- DevOps work using Hashicorp Suite
- Provisioning and management of infrastructure using Terraform on AWS/GCE/Azure

Remote

Sep 2019 - current

Gaiwan

SENIOR CLOJURE DEVELOPER (CONTRACT)

- Writing of training material
- Coaching

Remote

Jul 2019 - Sep 2020

Functional Works

SENIOR CLOJURE DEVELOPER (CONTRACT)

- Developed Full-stack using Clojure/Clojurescript, Re-frame, GraphQL
- Developed a GitHub bot to keep repositories synchronized across organizations

Remote

Feb 2019 - Jun 2019

Studyflow

SENIOR CLOJURE DEVELOPER (CONTRACT)

- Maintenance of Clojure / Clojurescript application
- Maintenance of self-hosted infrastructure on bare-metal

Remote

June 2018 - current

Synple

LEAD DATA ENGINEER

- Designed and implemented the Data Pipeline using Clojure and Kafka, along with PostgreSQL and Metabase
- Deployed the data pipeline on AWS using Ansible/Packer and CloudFormation
- Managed a small team of Data Scientists

Amsterdam, The Netherlands

Oct 2017 - May 2018

Studyflow

FULL STACK SOFTWARE DEVELOPER

- SPA development using Reagent (React) and Re-frame
- Developed an Event-Sourcing/CQRS library in Clojure: *rill-event-sourcing*
- Designed and implemented the infrastructure on bare metal with Ansible
- Developed a Rails-based authoring & publishing application
- Managed a small team of developers and participated in as tech-lead in strategic decisions

Amsterdam, The Netherlands

May 2014 - May 2017

ASML

METROLOGY DESIGN ENGINEER

- Implemented software for the metrology department of EUV lithography machines NXE:3300 and NXE:3350B

Eindhoven, The Netherlands

Nov 2013 - May 2014

Education

Universiteit Utrecht

MSC. IN MATHEMATICAL SCIENCES

- Specialization: Scientific Computing
- Master thesis: *Iterative sparse matrix partitioning*, under the supervision of Prof. dr. Rob H. Bisseling (Parallel Computing)

Utrecht, The Netherlands

Sep 2011 - Oct 2013

Università degli Studi di Ferrara

BS IN MATHEMATICS

- Final grade: 110/110 cum Laude
- Bachelor thesis: *Total Variation image denoising from Poisson data: Split Bregman methods and Alternating Extrageradient methods* under the supervision of Dr. Prof. Valeria Ruggiero (Numerical Analysis)

Ferrara, Italy

Sep 2008 - Jul 2011

Coursera

DEEP LEARNING SPECIALIZATION

- **Courses completed:** Machine Learning, Neural Networks and Deep Learning, Improving Deep Learning Networks, Structure Machine Learning Projects, Convolutional Neural Networks

Sep 2017 - Dec 2017

Skills

Development	Clojure, Clojurescript, C/C++, Ruby (Rails and Sinatra), Python, Shell scripting React, CQRS, Event Sourcing, Kafka, PostgreSQL, Redis
DevOps	Linux System Administration, Ansible, AWS CloudFormation, Docker, HashiCorp Suite (Terraform, Consul, Vault, Nomad, Packer), Gitlab CI/CD configuration & administration, bare-metal
Languages	Italian, English, Dutch (basic level), Greek (basic level)

Extracurricular Activity

Wikipedia

ADMINISTRATOR & CONTRIBUTOR

Sep. 2006 - Jan 2017

- 25000+ edits on Wikipedia and Wikimedia projects in various languages

Various publications and websites

PHOTOGRAPHER

- Worked professionally for the summer of 2005
- Pictures featured in national magazines and various websites

Honors & Awards

2008 **Roberto Ruffilli Prize**, for graduating with the highest mark

Cesena, Italy

Presentations

ClojureD 2020

SPEAKER

Berlin, Germany

Feb 2020

- Life in parens: simulating an ecosystem with Clojure
- Slides: <https://tinyurl.com/life-in-parens>

Dutch Clojure Meetup - September 2015

Amsterdam, The Netherlands

SPEAKER

Sep. 2015

- **Event Sourcing at Studyflow / 2:** Discussion of our Event Sourcing framework, with focus on the advantages and drawbacks of having a in-memory read-model
- Slides: <https://speakerdeck.com/helios/2>

Dutch Clojure Meetup - April 2017

Amsterdam, The Netherlands

SPEAKER

Apr. 2017

- **Event Sourcing, CQRS and scalability - a status update:** Discussion of the challenges in scalability of our Event Sourcing framework after three years in production with half a billion events, with particular attention to the different strategies in scaling reads and writes.
- Slides: <https://speakerdeck.com/helios/event-sourcing-cqrs-and-scalability-a-status-update>

Interests

Dungeons & Dragons, 3d printing, synthesizers and board games