

# CARLOS MORALES



## Contact

[www.carlosmorales.dev](http://www.carlosmorales.dev)

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Zürich, Switzerland

## Technologies

- ▶ JavaScript / TypeScript
- ▶ HTML / CSS
- ▶ Docker / Kubernetes
- ▶ HTTP
- ▶ REST APIs
- ▶ Web security
- ▶ Java
- ▶ Linux
- ▶ Python
- ▶ Go

- ▶ Software Engineer with a Bachelor's degree in Computer science
- ▶ Currently working for Avaloq as Enterprise UI Architect
- ▶ Expertise: frontend, REST API backends and distributed systems in the Cloud
- ▶ Personal blog on software engineering [www.carlosmorales.dev](http://www.carlosmorales.dev)

## Avaloq AG, Zurich

05.2015 - present

### Enterprise UI Architect

- Part of central technical architecture team, we set good engineering and architecture practices with an organization-wide technical impact (> 1500 engineers)
- Current focus: Design the micro-frontend architecture (Web Components + Angular); REST API guidelines; Migration of SaaS microservice-based applications from on-premise into the Cloud (AWS) using Kubernetes
- Developing POCs for validating new technologies or new architectural designs  
[TypeScript](#), [WebComponents](#), [Spring Boot Java](#), [REST API](#), [Kubernetes](#), [Docker](#), [Prometheus](#), [Kafka](#)

### Team lead - Expert Software Engineer

- Led the migration of the web UI component library into TypeScript, Angular and Material design
- Technical responsible for the "Orchestration", critical software used in all browser-based Avaloq applications
- My team (2017) and myself (2018, 2020) were recognized with "extraordinary achievement reward" for best documentation, support sales cases and support HR
- Recognized SWE, presenting at Avaloq "Knowledge Group", the annual developer conferences  
[TypeScript](#), [JavaScript](#), [HTML](#), [Node.JS](#), [Angular](#)

### Expert Software Engineer (external Mimacom consultant)

- My team built a web UI component library with AngularJS, used by all browser-based applications
- I organized the JavaScript reading circle to 50+ engineers, sharing JS best practices  
[JavaScript](#), [HTML](#), [Node.JS](#), [AngularJS](#)

## MDC AG, Zurich

05.2013 - 07.2014

### Senior Software Engineer

- Responsible for the frontend of [www.mydepotcheck.com](http://www.mydepotcheck.com) (>4k monthly users)
- The start-up was recognized with "Banking IT-Innovation Award 2013"  
[JavaScript](#), [HTML](#), [jQuery](#), [Java JSF](#), [CakePHP](#), [SQL](#)

Full list of jobs at [LinkedIn](#)

## EDUCATION

### Bachelor's degree in Computer Science

09.1997 - 11.2004

#### Ingeniero Superior Informática - Universitat Ramon Llull, La Salle

- Graduated with Honours. in Degree Thesis: a fully functional Firewall written in C for the Linux Kernel
- Elected president of class during 4 consecutive years, my main role was to support and help students

### Certifications

- Machine Learning Specialization (in progress) - Coursera
- AWS Well-Architected Framework - Cloud Guru
- GCP Architecting with Google Cloud Platform Specialization - Coursera
- Cisco Certified Network Professional - Cisco

## ADDITIONAL INFORMATION

- Created and organize [Angular Meetup](#) in Zurich since 2014 (+1k members)
- Technical reviewer of "Mastering Angular 2 Components" book