

# Mauro Colella

## Curriculum Vitae

mauro.ludovico.colella@gmail.com

Nationality: Italian

### Languages

---

<b>French</b>	Mother tongue.
<b>English</b>	Fluent. Certified (Cambridge Advanced).
<b>Italian</b>	Fluent. Certified.

### Professional Training & Education

---

<b>Training Certifications</b>	Unix & Shell scripting / Visual Basic / RDBMS / HDI Customer Support Specialist / ITIL Foundations / Brainbench Web Design Concepts
<b>September 2003 – 2007</b>	HEIG-VD Engineering School (Switzerland) HES Software Engineering Degree
<b>1994 – 1997</b>	Gymnase de Chamblandes, Pully (Switzerland)

## Technical Expertise

---

.Net	Access	Action Script 2 & 3	Active Directory	After Effects	Apache	Authorize	AWS	Backbone			
Bitbucket	Bitcoin	Blockchain	Bootstrap	C#	C++	CentOS	CircleCI	Confluence	CSS	CSS3	d3
Debian	Direct3D	DirectX	Docker	Drupal	ES6	Express	FBX	FreeBSD	Git	GitHub	Heroku
HHVM	HP-UX	HTML	HTML5	HTTP	HTTP2	Jasmine	Java	Javascript	JIRA	JNI	jQuery
JSON	JSP	JSX	LAMP	Laravel	LEMP	Linux	MariaDB	Memcached	MERN	Mocha	MongoDB
MS SQL Server	MySQL	NGINX	Node.js	NoSQL	Office	OpenCV	OpenGL	PayPal	Photoshop		
PHP	PHPUnit	PIXI.js	Postgres	React	Red Hat	Redux	REST	Solaris	SOLR	SQL	SSIS
SSL	Stripe	SVG	Sybase	Symfony	THREE.js	Ubuntu	UML	Underscore	Varnish	VB.NET	
WebGL	Webpack	Windows	WordPress	Xero	XML	XSLT	Zend				

## Professional Experience

---

**February 2008 - June 2018**

**self-employed**

Software and web development consultant.

- Installation and configuration of high performance server stacks using:
- Apache / Nginx / Node / HHVM / Varnish / Memcached.
- SQL and NoSQL data stores.
- Development and maintenance of web-based platforms using:
- Java and JSP.
- PHP / Laravel / Symfony.
- Node.js with React and Webpack.
- The WordPress API and Drupal.
- Other utilities and frameworks.
- Performance optimization of Ubuntu, Debian, and CentOS environments.
- FreeBSD / Alpine Linux: chroot, jail, and container environments.
- Integration of third party services for accounting, payment, social networking, network analytics.
- Testing and quality assurance (PHPUnit, Mocha, Chai, Jasmine).
- Continuous Integration w/ CircleCI.
- Search Engine Optimization.

- Documentation of projects.
- Training of groups of four people.
- ITIL - implementation of support and maintenance.

**February 2009 - June 2009****Research, Columbia University**

---

Software development.

- Multimedia utility for tsunami research and simulation.
- Simplified model with coastal profile / impact origin and shape.
- Real time rendering.
- Real time controls using SWT.
- Accelerated rendering using JNI.

**February 2008 - February 2009****Research, EPFL**

---

Software development of multimedia solutions for virtual training and medical imaging.

- Analysis and program specification.
- Platform-independent XML APIs.
- Java, C# with Direct3D/DirectShow, XNA and C++/unmanaged.
- Testing and quality assurance.

**June 2005 - February 2008****bi, blue-infinity, Geneva**

---

IT Consultant.

**December 2007 - January 2008****DHL headquarters**

---

Software development.

- Business plan for the migration of a Solaris and Sybase solution.
- Port of the program to a HP-UX environment.

- Maintenance development.
- Hand over and documentation for followup by the internal Support Department.

**August 2007 - November 2007**

**United Nations-International Computer Center (UNICC)**

Database administration.

- MS Windows XP / MS Windows 2003 / MS SQL Server 2000 - 2005.
- Planning and process documentation for the migration of a MS SQL 2000 solution.
- Upgrade of the corresponding database cluster from SQL Server 2000 to SQL Server 2005 sp2.
- Upgrade of the target backup servers, using replication and mirroring for redundancy
- Maintenance of SQL Servers integrated in Sharepoint solutions.
- SSIS/VB.Net Development to automate transforms between oledb database providers.
- C++ - Maintenance development on proprietary libraries.
- Maintenance and upgrade of intranet applications.

**August 2006 - August 2007**

**Philip Morris International**

Development support.

- MS Windows XP / MS Windows Mobile / MS Windows CE / MS SQL Server 2000 /MS SQL CE.
- Hardware support (desktops, PDAs..)
- Development and deployment of software tools using VB.Net / C#.
- Maintenance of existing support tools and applications using C#.
- Problem management for supported applications – HP Openview / Servicedesk.
- Incident management and resolution, remotely and on-site.

- Revision and maintenance of related support processes.
- Monitoring and reporting regarding systems activity and usage.
- Quality control and bug reporting for “tracking and product security” applications.
- Training of PMI partners on usage of supported applications.

**July 2006 - August 2006****IT Consultant for Dialogue Logique SA**

---

Software packaging / 2nd Level Support.

- MS Windows 2000.
- Active Directory.
- Quality acceptance of applications deployed to Nestlé offices worldwide.
- Maintenance development using Microsoft Visual C++.
- User support.
- Bug reporting.
- Software packaging and deployment.

**June 2006 - July 2006****EFG Money Bank**

---

Software development.

- MS Windows 2000.
- MS Office 2000.
- Analysis and development of software tools to support the migration of existing data sources to a third party developed HRMS.

**June 2005 - December 2005****2nd Level User Support for Philip Morris International**

---

- MS Windows XP / Active Directory / MS Office 2003, Outlook / Exchange 2003
- Hardware support (desktops, laptops, PDAs, etc.) / IT Projects, participated in deployment and support of:

- SAP clients.
- Reporting tools.
- Citrix metaframe clients.
- Microsoft products.
- Publishing and design suites (Adobe InDesign, Acrobat, Illustrator, etc.)
- PMI developed applications.
- Provided setup and support of software and hardware infrastructures for PMI organized international events.

**June 2001 - June 2005****Cablecom Sarl**

---

- MS Windows XP.
- MS Office 2003, Outlook 2003.
- Hardware support (Desktops, laptops, modems, etc.)
- Software support (Windows products, network configuration, etc.)
- Development and maintenance of software modules for reporting and database normalization.
- Database Administration of the Urbanet clients database.
- Creation of software modules and SQL queries for supporting the migration of the Urbanet clients database towards Oracle 9.i.

**November 2001 - May 2001****Colombus S.A (IT Services Company)**

---

Junior Trainer and Software Developer.

- Training of MS Windows and Office to groups of 2 to 8 people.
- Maintenance and administration of file and print servers under Linux RedHat (maintenance of bash and Perl script modules).
- Web development of the Columbus E-Commerce platform.