

Mauro Colella

SOFTWARE ENGINEERING MANAGER

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Nationality

Italian • Currently in the Philippines. Willing to relocate.

Languages

French • Mother tongue.

English • Fluent + Certified (Cambridge CAE).

Italian • Fluent

Professional Training & Education

Training Certifications

Currently studying for **AWS Data Analytics** and **AWS Certified Machine Learning Specialty**.

AWS

AWS Certified SysOps Administrator Associate • **2020**

AWS Certified Developer Associate • **2019**

AWS Certified Solutions Architect Associate • **2019**



Oracle

Oracle Certified Associate, Java SE 8 Programmer • **2018**



The Linux Foundation

OpenJS Node.js Application Developer (JSNAD) • **2019**



Earlier

HDI Customer Support Specialist • ITIL/ITSM Foundations



Education

September 2003 - 2007 • HEIG-VD Engineering School (Switzerland) • HES Software Engineering

1994 - 1997 • Gymnase de Chamblandes, Pully (Switzerland)

Technical Expertise

Highlights

JavaScript • TypeScript • Node.js • React • GraphQL • Java • Agile • Scrum • AWS • GCP

All Skills

.Net | Agile | Access | Action Script 2 & 3 | Active Directory | After Effects | Apache | Authorize | AWS | Backbone | Bitbucket | Bitcoin | Blockchain | Bootstrap | BSD | C# | C++ | CentOS | CircleCI | Confluence | CSS | CSS3 | Cypress | D3 | Debian | DevOps | Direct3D | DirectX | Docker | Drupal | ES6 | Express | FBX | FreeBSD | GCP | Git | GitHub | GraphQL | Heroku | HHVM | HP-UX | HTML | HTML5 | HTTP | HTTP2 | Jasmine | Java | JavaScript | Jest | JIRA | JNI | jQuery | JSON | JSP | JSX | LAMP | Laravel | LEMP | Linux | MariaDB | Memcached | MERN | Mocha | MongoDB | MS SQL Server | MySQL | NestJS | NGINX | NoSQL | Node.js | Office | OpenCV OpenGL | PayPal | Photoshop | PHP | PHPUnit | PIXI.js | Postgres | React | Red Hat | Redux | REST | Ruby | Scrum | Solaris | SOLR | SQL | SSIS | SSL | Stripe | SVG | Sybase | Symfony | THREE.js | TypeScript | Ubuntu | UML | Underscore | Varnish | VB.NET | WebGL | Webpack | Windows | WordPress | Xero | XML XSLT | Zend

Professional Experience

September 2019 – March 2020 [Turing.com](#)

Software Engineering Manager

JavaScript • TypeScript • Node.js • React • Redux • NestJS • MySQL • Scrum • Jira • ElasticSearch • GCP • Jenkins

Tasks

- Sprint planning and coordination within SCRUM (Jira).
 - Coordinated teams of up to 7 people to deliver application changes and bug fixes.
 - Bi-weekly standups + additional async standups on a daily basis.
- Infrastructure planning and improvements (QA/CICD).
- Software development.
- Technical interviews of contributors and candidates.
- Mentored engineers internally and within partner companies.
- Helped establish a framework for best practices within the company.
- Vertical Engineering Leadership.

- Client discovery and outreach.

Achievements

- Supported the acquisition of hundreds of candidates via mail marketing (250,000+ emails).
- Helped to double the matched candidates base within a span of three months by contributing to both software and processes.
- Vetted and matched software engineers in a diverse range of positions.
- Helped to bring Turing from early-days startup to a profitable, established company.

February 2008 – September 2019 Self-Employed

Software Developer

For over than ten years as a full-time, freelance developer, I have designed deployed and maintained high performance solutions using multiple stacks and technologies, including:

- Java and JSP.
- PHP, Laravel, HHVM Yii and Symfony.
- Node.js, with and without Express.
- TypeScript and JavaScript.
- React, Redux, Apollo, GraphQL, Webpack.
- Apache and Nginx
- Varnish, Memcached.
- SQL and NoSQL databases.
- Drupal, WordPress and the WordPress API.
- Specialized utilities and frameworks.

I have conducted additional tasks related to DevOps and infrastructure development, management and planning such as:

- Performance optimization of Ubuntu, Debian, and CentOS environments.
- Development of cloud-based solutions using AWS, Heroku, Linode or Digital Ocean.
- Development, deployment and maintenance of containerized solutions, using Docker or other container management suites, as well as low-level system including FreeBSD jails and LXD.
- Integration of third party services for accounting, payment, social networking and analytics.
- Testing, QA (PHPUnit, Mocha, Chai, Jest, Jasmine), continuous integration and delivery.

Leading to a cumulated success score of 100% for all projects completed on the Upwork platform!

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

IT Consultant

December 2007 – January 2008 DHL headquarters

Software Developer

- Migration of a Solaris and Sybase solution to a HP-UX environment.

August 2007 – November 2007 UNICC (United Nations)

Database Developer

MS Windows XP • MS Windows 2003 • MS SQL Server 2000 - 2005 • Sharepoint • SSIS • VB.Net

- Maintenance of SQL Servers integrated in Sharepoint solutions.
- SSIS/VB.Net development to automate data transforms between OLEDB providers.

August 2006 – August 2007 Philip Morris International

Development Support (Product Tracking and Security)

MS Windows XP • MS Windows Mobile • MS Windows CE • SQL Server 2000 • MS SQL CE • VB.Net

• C#

- Hardware support (desktop & PDAs).
- Development and deployment of software tools and fixes.
- On-site maintenance (worldwide offices).

July 2006 – August 2006 IT Consultant for Dialogue Logique SA

Software Packager / 2nd Level Support

MS Windows 2000 • Active Directory

- Quality acceptance of applications deployed to Nestlé offices worldwide.

June 2006 – July 2006 EFG Money Bank

Software Developer – Java

June 2005 – December 2005 Philip Morris International

2nd Level Support

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 CS, InDesign, Acrobat, Illustrator).
- PMI-developed applications.
- Conducted the setup and maintenance of software and hardware infrastructure for PMI-organized international conferences.

June 2001 - June 2005 Cablecom Sarl

User Support / DBA

- Hardware support (Desktops, laptops, modems).
- Software support (Windows products, network configuration).
- Database Administration of the Urbanet clients database.

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.
- Development of the Colombus E-Commerce platform.

Research

February 2009 – June 2009, Columbia University

Java • C++ • JNI • SWT

Development of a multimedia utility for tsunami research and simulation, enabling real-time rendering of simplified models using coastal profiles, with large bodies impact area and shape.

The application was used in public conferences, leading to an invitation for me to speak at an event from the American Geophysical Union.

February 2008 – February 2009, EPFL

Development of interactive solutions for virtual training and medical imaging.

- Analysis and program specification.
- Platform-independent XML APIs.
- Java and C# with Direct3D, DirectShow, HLSL, XNA and C++ (unmanaged).