# Michele Porelli

*Résumé*

## Experience

### Vocational

**04/2017 — Present**
*full-time*

**Senior Systems and Software Development Engineer**, Amazon web services Inc., 2 Park St, Sydney NSW 2000, Australia — 18 York Street, Toronto, ON, M5J 2T8, Canada
Amazon Aurora and RDS developer and operations engineer. Currently managing a MySQL/MariaDB team in Toronto
- **Senior Software Development Engineer** - AWS RDS Open Source (Canada: years 2022-Present)
  Manager for MariaDB and MySQL Toronto team. Technical team lead for Aurora, MariaDB, MySQL and PostgreSQL Open Source DevOps development
- **Senior Systems Development Engineer** - AWS RDS Open Source (Australia: years 2020-2022)
  Technical team lead for Aurora, MariaDB and MySQL Open Source DevOps development. Ad-interim manager for MariaDB and MySQL Sydney team
- **Systems Development Engineer** - AWS Aurora and RDS Open Source (Australia: years 2017-2020)
  Technical team lead for Aurora, MariaDB and MySQL Open Source DevOps development

**09/2015 — 03/2017**
*full-time*

**DevOps, System Integration**, Digitaria International S.A. - Imagination Factory s.à.r.l, 9, Avenue des Hauts-Fourneaux, L-4362 Esch-sur-Alzette - Luxembourg
Responsible for U project systems integration and developer. Satellite infrastructure and data center maintainer.

**05/2014 — 08/2015**
*full-time*

**Consultant**, Consoft s.p.a., Via Pio VII, 127, 10137 Torino, Italy
DevOps consultant, specialized in satellite and ground networks, open-source and embedded devices.
- **DevOps, Testing Engineer** - Skylogic s.p.a. - an Eutelsat company (years 2014-2015)
  Continuous integration for satellite ISP devices validation. Testing and implementation of new features.
- **Embedded Developer, DevOps** - Caretek s.r.l. (year 2014)
  Improved medical smart watch functionality, built a layer between Asterisk and a custom CRM, tested new partners software and set up testing machines, following agile processes.

**10/2010 — 06/2019**
*<'14 full-time*
*>'14 freelance*

**DevOps**, Domosette s.r.l., Strada antica di Collegno, 157, 10146 Torino, Italy
Built an innovative servers infrastructure using virtualization, designed internal network, developed various Linux powered embedded systems with cellular technology, following agile processes.

**04/2013 — 05/2016**
*freelance*

**Network architect**, ARIC studio medico diagnostico, Via G. Pergolesi, 13, 10154 Torino, Italy
Medical images processing, cabling new office network and built a remote assistance system.

**04/2013 — 03/2014**
*freelance*

**System Administrator**, Showbyte s.r.l., Piazza Maria Teresa, 7, 10123 Torino, Italy
Migrating data center from Linux to Solaris, managing Solaris, Linux and Windows servers, IT area responsible.

### Miscellaneous

**08/2010**
*freelance*

**Technical assistant**, Kunshan Chinita Food Co. Ltd, 118 Renmin Road, Kunshan, China
Re-designed electrical, network and phone systems and computer maintenance.

### School projects

**07/2010 — 08/2013**

**IT Area supervisor**, Isaac Project, Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129 Torino, Italy
Making a robot able to play football and renewed laboratory infrastructure.

**2008**

**Chemical research**, ITI Giuseppe Peano, Corso Venezia 29, 10147 Torino, Italy
Built a home-made organic photo voltaic cell

## Education

**2023**   **IELTS General Training**, *International English Language Testing System, Average: 7.5*

**2019**   **IELTS Academic**, *International English Language Testing System, Average: 7.5*

**2011**   **CCNA**, *Cisco Certified Network Associate, all exams passed with merit*

**Incomplete**   **Bachelor of Computer Engineer**, *Polytechnic of Turin*, Torino, Italy

**2003–2008**   **High School Degree**, ITI Giuseppe Peano, Corso Venezia 29, 10147 Torino, Italy
Science and Technology High School

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*current as of January, 2024*

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| 2008 | **PET**, *Preliminary English Test, Pass* |
| 2008 | **ECDL**, *European Computer Driving License, All exams passed with merit* |

## Workshops

| 2016-2017 | **FOSDEM.org**, *Open source*, Brussels, Belgium |
| 2015 | **Integrated Cybersecurity & Risk Management**, *Software hardening*, Milan, Italy |
| 2013 | **Techniques for embedded design**, *Hardware design*, Milan, Italy |
| 2013 | **CITCON**, *CI/CD practices*, Turin, Italy |
| 2013 | **Comfort technology**, *Smart home*, Milan, Italy |
| 2011 | **Campus Party 2011**, *University research*, Granada, Spain |
| 2011 | **Verification and Testing of Space Systems**, *Space technology design*, Turin, Italy |

## Social skills

| 2021–Present | Security warden, first aid emergency and CPR trained |
| 2021–Present | Community lead in Amazon |
| 2017–2019 | Voluntary service at "Lentils as anything" in Sydney |
| 2017–2019 | Voluntary member for preparation of TEDxSydney, main and youth events |
| 1999–2015 | Voluntary service at Torino19 AGESCI - an Italian Boy Scouts association |
| 2006–2007 | Voluntary service at "Michele Rua's Disabled Centre" in Corso Cadore 20/8, Turin, Italy |
| 2007–2010 | Turin Linux Day committee member: presentation, training, network |

## Technical skills

### Computer science

| Operating systems | Linux, Windows, MacOS, *BSD, Solaris |
| Embedded OS | Debian, OpenWRT, Android, OpenEmbedded, iOS and Windows Mobile |
| Virtualization | KVM, Firecracker, XEN, VirtualBox, QEMU, UML, Parallels and VMware products |
| Containerization | LXC, Docker, Kubernetes |
| Networking | IPv4 and IPv6 protocols, DNS servers, Firewalls, VPN software, WEB servers, proxy and caching servers, PXE boot, SSH, FTP, DHCP, Samba NFS, AFP, iSCSI |
| Data management | rsync, Symantec Backup Exec, btrfs and ZFS |
| Databases | PostgreSQL, riak, elasticsearch, MariaDB, MySQL, DynamoDB and Amazon Aurora |
| BI | Splunk, logstash, kibana, redash, QuickSight |
| Automation | Ansible, Chef, Puppet |
| Clustering | Mosix, OpenSSI |
| Users management | OpenLDAP, Kerberos, Active directory, Authelia, Keycloak |
| VoIP | Asterisk and FreeSWITCH SIP servers |
| Dev. languages | C, C++, Visual Basic, Ruby, Python, Java, Bash, Javascript, Typescript, react, HTML, PHP, CSS |
| Web platforms | Joomla!, DokuWiki, Drupal |
| Management | Agile (kanban and scrum methodologies), Jira, Asana |
| 2D/3D CADs | Blender, BRL-CAD, AutoCAD |
| Miscellaneous | LibreOffice, Microsoft Office, Gimp, Photoshop, LaTeX |

### Electronics

| Microcontrollers | Atmel ATmega (Arduino), Texas Instruments MSP430 and Stellaris |
| EDA | Eagle, Altium, KiCad |

## Languages

| Writing | Reading | Speaking | Listening | Scale |
| --- | --- | --- | --- | --- |

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| | | | | | |
|---|---|---|---|---|---|
| English | C1+ / 7.5 | C2 / 8.0 | C1+ / 7.5 | C2 / 8.0 | QCER / IELTS |
| Spanish | A1 / A1 | A2 / A2 | A1 / A1 | A2 / A2 | QCER / DELE |
| French | A1 / A1 | A2 / A2 | A1 / A1 | A1 / A1 | QCER / DELF |
| Italian | | mother-tongue / native | | | |

## Interests

- Scout
- Cooking
- Finance
- Traveling

- Crafting / DIY
- Climbing
- Photography
- Cultures and languages

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