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*

Partial **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

2008 **PET**, *Preliminary English Test*, *Pass*

2008 **ECDL**, *European Computer Driving License*, *All exams passed with merit*

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current as of January, 2024
1/3

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
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

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- Scout
- Cooking
- Finance
- Traveling

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

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