




PERSONAL INFORMATION

Roberto Arcomano



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Sex Male | Nationality Italian

CV Last Updated July 15th, 2025

PREFERRED JOB

IT / Full Stack Developer Manager

WORK EXPERIENCE

12/02/2024 – 18/12/2024

Full Stack Developer Manager

Adroit / Spark

5 Wilkins Street, Auckland 1011, New Zealand

Area: IoT Sensors

- New Full Stack web tool based on ReactJS / Python for IoT Device Provisioning and Monitoring
- Rest API Development: Zoho Desk / CRM, MetService, Cisco JasperWireless, AWS services
- DevOps: CI/CD with GitOps: AWS Amplify, Bitbucket pipelines, Argo CD on EKS
- IoT Sensors: Modbus RTU, MQTT protocol
- Project management: Agile 1-week Sprint planning based on Jira
- AWS based services: Amplify, Lambda, S3, EC2, DynamoDB, Cognito, EventBridge

14/12/2022 – 26/06/2023

ICT and Computer Studies teacher

Saint Albert the Great College

160 Old Bakery Street Il-Belt Valletta, VLT 1457 – Valletta - Malta

Area: Education

- Lessons planning, teaching during mornings as well as afternoons: in total 104 students
 - Tools used: Synfig, Scratch, Audacity, SketchUp, Excel, BlueJ
- Courseworks preparation

01/06/2021 – 31/03/2022

Personal smartphone app development with educational purposes

Self employment

Personal smartphone app development with educational purpose

- Technologies used:
 - React native for Android, Redux store, Sqlite as database
 - Jest as test framework
 - Jenkins / Gitlab DevOps as automatic tests environment triggered upon main branch merging

18/11/2019 – 31/08/2020

DevOps Engineer and Developer Manager

Oracle EMEA

Block C, East Point Business Park, Fairview Dublin 3 - Dublin – Ireland

Area: IT

- Responsibility for both Tests and Tests Development on Autonomous Linux OS:
 - Oracle Cloud Infrastructure (Instance creation, Volume / Nic Attaching / Detaching)
 - Terraform, OCI tools, Python SDK, manual bash shell commands
 - CI/CT using Jenkins pipelines, webhooks on Gitlab, Kubernetes environment
 - Metabase / Grafana as data analytics tools
- Stress Tests on new hardware using tool Swingbench Oracle DB with report creation

14/01/2019 – 28/06/2019

DevOps Engineer / Vmware / Linux System Administrator

HWS Technologies for Adidas

Flat 1, Northfields, Independence Avenue - Mosta MST9026 – Malta

Area: IT

- DevOps: Servers deployment, SW Installation using Docker, Ansible (AWX/Tower), Git
- Vmware VCenter Server Operations: Provisioning OS from Ansible / Red-hat Satellite
- Linux SysAdmin: Troubleshooting, Bash Scripting, Online Disk(LVM), CPU/RAM Resize
- RedHat Tools: Satellite for Infra management, IDM for User/Group/Host group management
- New employees training and job interviews collaborations.

03/11/2016 – 31/05/2018

Oracle Programmer Analyst / Linux System Administrator / Oracle DBA

Logistics Reply – Reply Group

Via Cardinal Massaia, 75 – Turin (TO) – Italy

Area: IT

- Development Activities on PLSQL using Versioning DB (Tortoise SVN), JSP, Java Servlet Container (Tomcat, Jboss Web Sphere), Reporting Tools (Jasper Report / IReport)
- System Administrator: Linux AIX, Microsoft Windows Servers
- Oracle DbA Activities: Installations 11g/12g Databases, Export/Import/Migration from 11g to 12g

16/11/2009 – 31/12/2015

Programmer Analyst / Linux System Administrator

Villanova s.p.a. / Argol / Bcube

Località Casetto - Villanova d'Asti (AT) – Italy

Area: Logistic

- Technical Analyst on Logistic Environment using Web Technologies on: Desktop Web, Browsers (IE, Firefox, Chrome, ...), RF Motorola handhelds, Android Smartphone
- Solution Developer on Web Architecture – PLSQL / Javascript / HTML
- Linux System Administrator: OS Installation Oracle Linux / Red-hat, Configuration, Troubleshooting, Backup
- Oracle Database Administration: Backup (impdp/expdp/rman), Dataguard
- Application Servers: Weblogic / Oracle Application Server
- Project and Support on Alerting and Monitoring Tools: Nagios, Opsview, Cacti

01/09/2001 – 31/10/2009

System Administrator / Web Developer

Bank Company San Paolo of Turin, Account Center - Moncalieri (TO) - Italy

Global Value Systems, Via Lancia (TO) - Italy

CSP – Piero della Francesca Center, Corso Svizzera 185 (TO) – Italy

Area: Many (Bank, Automotive, Software)

- Cluster and Backup Administrator: HP ServiceGuard, HP Data Protector
- OS System Administrator: Linux, HP/UX, MS Windows Servers
- HP Custom Inventory: Bash Scripting to collect data, MySQL DB for searching
- Project and Develop Linux LDAP Server using Samba
- Project and Develop Web Applications based on LAMP (Linux Apache MySQL PHP)

01/10/1994 – 31/07/2001

Software Developer / System Administrator

Fatamorgana Movie Rental Store and WISP, Santena (TO) - Italy

Arkacom ISP, Santena (TO) - Italy

Overgom S.p.A., Santena (TO) - Italy

Area: Many (Retail Shops, ICT Services)

- Development SW Rents Movies, QuickBasic
- Linux System Administrator ISP maintenance and support: DNS entries, Modem connections, Advanced Network DIY routers/bridges.

EDUCATION AND TRAINING

1994-2001,
2016-2017

Master's Degree in Computer Engineering

Computer Engineering Department of "Politecnico di Torino"

Final grade 91/110 on 7 April 2017

PERSONAL SKILLS

Mother language

Italian

Other languages

| UNDERSTANDING | | SPEAKING | | WRITING |
|---------------|---------|--------------------|--------------------|---------|
| Listening | Reading | Spoken interaction | Spoken interaction | |
| English | Good | Good | Good | Good |
| French | Good | Good | Good | Good |

Communication Skills

Good communication skills acquired working on team software developing by constructive exchange with Project Manager, Analysts, Sysadmin and during technical teaching sessions

Organisational / managerial Skills

Day use of Excel, Confluence and other Wiki, CMS as a planification support of activities, for my own and for the project team

JOB-RELATED SKILLS

Roles

DevOps Engineer using Automation tools
Software Analyst and Developer
Linux System Administrator

Virtualization Technologies

Vmware Workstation / Server / ESX / Player, VirtualBox, KVM / QEMU

Cloud Technologies

Vmware Vsphere / VCenter, Libvirt, Amazon AWS, Microsoft Azure, Oracle OCI, Google Cloud Platform, OpenStack / Microstack, OpenNubula, Promox

Container / Orchestrator

Docker, Kubernetes, Swarm, Docker-machine

DevOps / IaC

Terraform, Vagrant, Ansible, Jenkins and Integration with Github, Git, etcd, virsh

Analytics / Reporting / Monitoring

ElasticSearch / LogStash / Kibana Stack, Telegraf / InfluxDB / Grafana Stack, Nagios, Opsview

Developing Languages /
Tools /
Frameworks

Assembler (80x86 and Motorola), C, C++, Javascript, Node.js, PHP, Java, Scala, Perl, Python, Ruby, Go, Bash, Ksh and mc shell, Awk / Sed, rsync, rsnapshot
AngularJS, ReactJS(JSX,Redux), Enzyme, VueJS(Vuex), Bootstrap, Semantic UI, jQuery, ExtJS, Spring MVC, Hibernate, Rails,CakePHP, Django,Smarty, Android, Bat, Jade, Functional Programming

Network

Ipsadm, nc, ping, telnet, traceroute, nmap, netstat, Isof, tcpdump / wireshark, iperf, iptables, tc

DB /Big Data

Oracle PLSQL, MySQL, MongoDB / Mongoose
Big Data: Hadoop, Spark

File Systems Local /
Network / Object Storage

Fat, Vfat, Ntfs, Ext2/3/4, Reiserfs, Xfs, Iso, Qcow2, Zfs, Loop, Dev, Proc, Squash, LVM / Raid
Nfs, Samba / CIFS, Hdfs, Ceph, S3

Versioning

Git, Github, Svn / TortoiseSVN, Cvs

Electronics / DIY

Arduino, ESP8266, ESP32, I2C, DC motor drive, Led Digit

Productivity Applications

Office, Email, Calendar, Photoshop, Gimp, Screenshot, Confluence, Jira

IDE

IRreport, Oracle Reports, Quest Toad, SQL Developer, PLSQL Developer, Dbeaver, Eclipse, JDeveloper, Arduino, Atom, IntelliJ, CASE Tools (Umbrello, Visual Paradigm, Dia), Virt-Manager

Other Skills

Ability to transform conflicts into mutual constructive dialogue

Driving License

A and B

ADDITIONAL INFORMATION

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|---|---|---|---|--|
| Courses |  | “General English” Advanced Level am Language Studio – Malta 2021 420 Hours |  | “Leadership and dealing strategies” Engim Piemonte - Turin 2018 |
| Publications |  | “VoIP & Skype” Book Publisher Hoepli 2006 |  | Articles on IT Magazines ➢ Open Source ➢ Linux Magazine ➢ Red-hat Magazine 2004 |
| Open source projects and documentation |  | 65+ Projects on Github using ➢ Docker, Jenkins, K8s, GitOps, Vagrant, Hadoop & Spark, Bash ➢ Python, Node/Angular/ReactJS, MongoDB, Django, Raspberry 2013 – 2022 |  | Linux HOWTO ➢ Wireless-HOWTO ➢ VoIP-HOWTO ➢ Sat-HOWTO ➢ KernelAnalysis-HOWTO 1996 – 2002 |
| Project and service management certifications |  | Prince2 Foundation Badge Certification Body: Axelos Certificate Number: GR656218985RA 2021 |  | ITIL Foundation Certification Body: Axelos Certificate Number: 5198925.20334584 2014 |
| IT certifications |  | Certified Kubernetes Administrator Certification Body: CNCF https://www.credly.com/go/vbymcTAI 2022 |  | AWS Certified Cloud Practitioner Certification Body: AWS https://www.credly.com/badges/711fe8e4-34ac-4b06-ab13-c5ce20cc6c5b/public_url 2022 |
| |  | PCAP – Certified Associate in Python Programming Certification Body: OpenEDG https://www.credly.com/badges/aad09825-7af3-452c-b97a-e098558df0c9/public_url 2022 |  | Python – Introduction to Data Science and Machine Learning Certification Body: Udemy https://ude.my/UC-db057f6d-1f51-46e0-9cb3-c3d8be7c3fab 2023 |
| |  | Project Management, Kubernetes, Git, Jenkins/DevOps, JS, Node.JS, PLSQL Python, Linux, PHP,MySQL https://app.testdome.com/cert/76c614fb27d0439db788d74a8c954d3ce8403db2898945c4b7b4a800020bbd9fd649f714905c44069ach3fdf78fe18c8f597dfcf2e034df4b246c1b786aa35a8111ca51942a944f2aa5a3a8a2fca63cd242135ff8bdc4777b61608f3f764eae55bd22c149c4e4ca193120871123f65947b63bbbeba5b947fdac43d6d8af5535a87ecf6afefa7d4169a5d6872e57f783194f280e1b1d7d49ba8322ac3b1f13b496 2019-2021 |  | Partner SICE WiFi HiperLink Levels I/II Certification Body: SICE 2010 |
| Language certifications |  | EF SET English Test 71/100 – C2 Proficient https://www.efset.org/cert/H4Uj1F 2020 |  | UML Fundamental Certification Body: OMG Certificate number: 261412722 2013 |
| | | |  | Duolingo English Test 95/160 https://certs.duolingo.com/zhjfcuvt 2019 |
| Events |  | Seminary Amazon AWS Milan 2014 | | |