


PERSONAL INFORMATION

Musumeci, Carmelo Mirko

 Via Federico Fellini 43/E, 70023, Gioia del Colle, Bari, Italy

 +39 328 8238223

 cm.musumeci@criluge.net

 studiomusumeci.com

 [linkedin.com/in/mirkochip](https://www.linkedin.com/in/mirkochip)

 github.com/mirkochip

Gender Male | Date of birth 20.11.1984 | Nationality(-ies) Italian

Occupational field

Automation Software Engineer

WORK EXPERIENCE

Dates
Work experience
Main activities and responsibilities
Name and address of employer
Website
Type of business or sector

January 2020 - Onwards
Software Automation Engineer @ Juniper Networks
Telco Cloud VNFs deployment driven by CICD. Designing, building and maintaining applications shipped as Docker containers and consumed by GitLab CICD pipelines for the nIMS (next IP Multimedia Subsystem) project. More details here: [Voice telephony from the cloud](#).
X-Team International Pty Ltd. PO Box 537, Chelsea, VIC 3196, Australia
x-team.com
Telecommunications

Dates
Work experience
Main activities and responsibilities
Name and address of employer
Website
Type of business or sector

September 2018 - January 2020
Software Automation Engineer @ Klopotek Italia
Designing, building and maintaining features for KDM (Klopotek Deployment Manager), a web application aiming to simplify the installation and the upgrade of STREAM applications. Building smart solutions automating complex tasks. Managing releases, deployments and performance tuning, empowered by continuous monitoring and configuration management tools.
Klopotek Software & Technology Services Italia s.r.l. Via G. Fara 26, 20124, Milan, Italy
klopotek.com
Publishing

Dates
Work experience
Main activities and responsibilities
Name and address of employer
Website
Type of business or sector

May 2016 - September 2018
Software Engineer @ KPN
Designing, building and maintaining REST API in a microservice IT infrastructure, having high quality and high availability as must.
KPN, Teleportboulevard 121, 1043 EJ Amsterdam, Netherlands
kpn.com
Telecommunications

Dates
Work experience
Main activities and responsibilities
Name and address of employer
Type of business or sector

June 2012 - May 2016
Software Engineer @ European Patent Office
Designing, building and maintaining web applications used by EPO examiners.
Byte-Code s.r.l. for European Patent Office - 38, Via Mauro Macchi, 20124, Milan, Italy
Web application designer and developer, agile developer

Dates April 2011 - June 2012
Work experience Software Engineer @ Vodafone Italia
Main activities and responsibilities Designing, building and maintaining and performance tuning of the ETL processes feeding a strategic reporting platform used by VF call center team leaders.
Name and address of employer Reply S.p.a for Vodafone Italy - 11, Via Castellanza, 20151, Milan, Italy
Type of business or sector System integration, Business Intelligence, data warehousing

EDUCATION AND TRAINING

Dates November 2014
Title of qualification awarded M101P: MongoDB for Developers
Name and type of organization providing education and training MongoDB, Inc.

Dates October 2011
Title of qualification awarded Master degree in Computer Engineering
Grade 110/110
Thesis title Hardening and performance tuning of ETL processes feeding a Telco reporting platform
Principal subjects/occupational skills covered Advanced maths optimization: methods and models for business management, information systems, business process management, process and software quality management, management and strategic support systems, information technology for business management, computational intelligence, information and knowledge management, computer network services and applications, enterprise information systems, e-commerce technology
Name and type of organization providing education and training Università di Pisa

Dates April 2008
Title of qualification awarded Bachelor degree in Computer Engineering
Grade 105/110
Thesis title Design and development of a middleware for sensors management into Ambient Intelligence applications
Principal subjects/occupational skills covered Operative systems, computer networks, computer architecture, assembler, C, Java and web programming, fundamentals of databases, fundamentals of telecommunications, fundamentals of automation, software engineering, electrotechnics, analog and digital electronics, enterprise economics
Name and type of organization providing education and training Università degli Studi di Catania

Dates July 2003
Title of qualification awarded High school diploma, computer specialization
Name and type of organization providing education and training Istituto Tecnico Industriale "Guglielmo Marconi", Catania, Italy

PERSONAL SKILLS AND COMPETENCES

Mother tongue(s) Italian

English

B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
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Social skills and competences

Thanks to the experiences achieved during my professional career, and in particular to the implementation of a conspicuous number of IT projects carried out with colleagues, I acquired very good skills in relating to a working team. In addition, I also got used to cooperate in multicultural contexts, thanks to the international working environment at both KPN and European Patent Office.

Technical skills

I have a strong background in agile backend software design, development and deployment using various programming languages, web frameworks and application servers. I'm also experienced in system administration, especially in GNU/Linux systems, which I am a proud supporter.

Keeping myself always open to dig into new technology stacks, my current stack of development includes:

- Python & Django REST Framework
- DBs: Oracle, PostgreSQL, MySQL
- CI/CD tools: GitLab, Jenkins, BitBucket and Azure DevOps pipelines
- Containerization and version control tools: Docker, GIT
- Monitoring: Elasticsearch/InfluxDB and Grafana
- Testing: PyTest (unit tests), Newman and Robot Framework (integration/e2e tests)

In my previous employments I also worked and got familiar with: Java 8, Hibernate, Groovy and Grails, Ansible, Maven, SVN, DB2, Apache Camel, Struts, Wildfly/JBoss, Glassfish, Tomcat, SonarQube, Cobertura;

Driving License

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