

Giulio Micheloni

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github.com/bigmikes

bigmikes.io

stackoverflow.com

Software Engineer focusing on network automation and security

Experience

- Jan 2018 - Present **Software Engineer**, [Cisco](#), San Jose, CA (remote).
- Leading backend development in Go for Cisco's hybrid cloud orchestrator [CAPIC](#)
 - Designed a cloud-agnostic and scalable driver to configure cloud providers
 - Managing network security policies for endpoints in cloud providers
- Jun 2017 - Jan 2018 **Software Engineer**, [MBDA](#), Rome, Italy.
- Network emulation (GNS3) and NG firewalls configuration
 - Latency distribution evaluation of network security devices
- Jul 2016 - Dec 2016 **Freelance Developer**, [Var Group](#), Empoli, Italy.
- Developed WiFi probes sensor on OpenWRT wireless router

Education

- Dec 2014 - May 2017 **M.Sc. in Computer Engineering**, *magna cum laude*, [University of Pisa](#), Pisa, Italy.
Main subjects: (Artificial intelligence, IoT, network programming, security and protocols)

Side projects

- [Go](#) Contributed [patches](#), [issues](#) and [answered](#) questions.
- [drr](#) Deficit Round Robin scheduler for Go channels.
- [SDN for IoT devices](#) Implementation of Software Defined Networking layer in Contiki OS ([M.Sc. thesis](#)).
- [Blog](#) My personal blog where I keep a record of my thoughts and experiments.
- [Others](#) Various GitHub contributions.

Programming languages and tools

- Programming languages Comfortable with **Go**.
Familiar with **C++** and **Python**.
- Public cloud providers **Amazon Web Services**: comfortable with VPCs, Subnets, Route Tables, Security Groups, Internet Gateways, Cloud Trails and EC2 instances.
Microsoft Azure: familiar with VNet, NSG and ASG.
Google Cloud Platform: familiar with VPCs, Subnets, Firewalls and Compute instances.
- Development tools **Git**, **Gerrit**, **Jenkins**.

Awards

- May 2016 **1st place team in IoT Hackathon**, sponsored by [Var Group](#) and [Dell](#).

Skills

- Languages Native Italian, proficient English.
- Documentation Documented design of cloud-agnostic backend and usage guidelines for fast adoption among developers (Cisco).
- Teamwork Worked with distributed teams (Cisco, Var Group) in different locations and time zones.