

# FIWARE Foundation role description

## FIWARE Tech Lead & Architect

### Mission

- ▶ Contribute to FIWARE Technical activities and bring support to the FIWARE Community playing the role of architect, software team leader, mentor and coach

### Responsibilities

- ▶ Development of Reference Architectures and Common Information Models for Powered by FIWARE solutions in multiple application domains: Smart Cities, Smart Industry, Smart Agrifood, ...
- ▶ Play an active support role in definition and development of the roadmap of FIWARE components following an Agile approach and FIWARE development guidelines
- ▶ Coaching and mentoring of architects and developers of Powered by FIWARE solutions and FIWARE-ready technologies as well as new FIWARE developers
- ▶ Lead and participate in the development of Proofs of Concept and Showcases using FIWARE technologies.
- ▶ Assessment of Powered by FIWARE solutions and FIWARE—ready technologies
- ▶ Code, Perform code reviews and give appropriate feedback.
- ▶ FIWARE technical dissemination, training, consultancy and support activities
- ▶ Participation in activities leading to adoption of FIWARE by relevant standardization bodies, industrial consortiums and organizations

### FIWARE Tech Lead & Architect

#### Interfaces and reporting lines

##### Reporting to

- ▶ Chief Technology Officer

##### External connections

- ▶ FIWARE development community
- ▶ Companies, mostly startups/SMEs using or willing to use FIWARE
- ▶ Marketing team

#### Required qualifications

- ▶ MSC in Computer Science or equivalent
- ▶ > 7 years of experience in sw dev & arch
- ▶ > 4 years of experience in team coord.
- ▶ Hands-on experience in:
  - REST and JSON development.
  - Several programming languages, preferably: Node JS, Enterprise Java, Python and/or C++ development.
  - container and clustering technologies based on Docker.
  - Scrum/Agile principles
  - IoT protocols
  - NoSQL (MongoDB)
- ▶ Strong technical writing and documentation skills required.
- ▶ Excellent analytical and problem-solving skills.
- ▶ Knowledge on the specific domains of agrifood and industry solutions is a plus
- ▶ Knowledge of FIWARE technologies is a plus

# FIWARE Foundation role description

## FIWARE Software Developer

### Mission

- ▶ Bring support to members of the FIWARE community in software development related activities

### Responsibilities

- ▶ Setup and operate instances of FIWARE on public cloud environments as well as using Docker technologies
- ▶ Bring support to development of the roadmap of FIWARE components following an Agile approach and FIWARE development guidelines
- ▶ Create and document automated tests for validation of FIWARE components, FIWARE instances and Powered by FIWARE solutions.
- ▶ Automatic configuration and deployment based on Docker/Docker Compose.
- ▶ Develop product and training documentation about FIWARE technologies
- ▶ Support FIWARE dev teams in fixing software bugs and FIWARE Community requests

## FIWARE Graduate Software Developer

### Interfaces and reporting lines

#### Reporting to

- ▶ Chief Technology Officer

#### External connections

- ▶ FIWARE development community
- ▶ Companies, mostly startups/SMEs using or willing to use FIWARE
- ▶ Marketing team

### Required qualifications

- ▶ MSC in Computer Science or equivalent.
- ▶ Hands-on experience in:
  - REST and JSON development.
  - Several programming languages, preferably: Node JS, Enterprise Java, Python and/or C++ development.
  - container and clustering technologies based on Docker.
- ▶ Familiarity with the following technologies is considered a plus:
  - cloud technologies and frameworks, such as OpenStack/AWS
  - Scrum/Agile principles
  - IoT protocols
  - NoSQL (MongoDB)
- ▶ Strong technical writing and documentation skills required.
- ▶ Excellent analytical and problem-solving skills.