

# Chadi El Masri

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## Work Experience

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- Software Engineer**      **Murex S.A.S**      **Jul 2012 - Present**
- Led **cross-component testing** of core Murex services, which allowed detection of regressions related to the **startup time** and **idle activity** of services.
  - Deployed core Murex services in a **Kubernetes** cluster as part of an innovation stream, to bring the Murex solution closer to industry standards in terms of cluster management.
  - Identified and worked on the various requirements for the production readiness of the **Monitoring** backend for the Murex platform, and contributed to the development of the APIs that allow developers to publish **logs**, **events**, and **metrics** in the centralized system.
  - Introduced **Distributed Tracing** on top of the new **Spring Boot** REST services, from the technology study all the way to the final implementation.
  - Worked on various architecture-related developments in the **Workflows** module, that produced structured and testable code with improved benchmark times.
  - Led **Continuous Integration** and automated various aspects of the development workflows.
  - Implemented a wide array of productivity tools that enhanced the daily lives of my colleagues.
- Software Developer (Intern)**      **Deutsches Zentrum für Luft- und Raumfahrt**      **Jul 2011 - Aug 2011**
- Developed a highly configurable Java Applet for displaying data on a world map, with different visualization modes and map manipulation.
- Software Developer (Intern)**      **Engineering Design and Manufacturing**      **Jul 2009 - Aug 2009**
- Developed a Web-based business dashboard for mobile devices.

## Education

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- Bachelor of Engineering**      **American University of Beirut**      **Jun 2012**
- Bachelor in **Electrical and Computer Engineering**, with an emphasis on Software Engineering and Computer Networks. Graduated with distinction.

## Technical Skills

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- **Languages:** Java (Advanced), Python / Ruby / JavaScript / TypeScript (Used on multiple occasions).
- **VCS:** Git, Perforce.

## Projects & Contributions

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- **Home Kubernetes Cluster:** Implemented a **Kubernetes Cluster** of 4 Raspberry Pis to enable home monitoring and automation.
- **Home Dashboard using Dashing/Smashing (Ruby/JS):** Built a Dashboard using a Raspberry Pi, a 7" screen, and a presence detector. Also implemented the necessary widgets for Dashing/Smashing, including [Nearby Public Transport](#), [Tasks](#), [Birthdays](#), [Air Pollution](#), and [COVID-19](#).
- **Jenkins Additional Metrics Plugin (Java):** Provides additional metrics for Jenkins List Views, such as Success/Failure Rates, Min/Max durations, and Uptime/Downtime.
- **Various Contributions to Open Source Software including, but not limited to:** Jenkins [Build Monitor Plugin](#) (Java), Kodi [IPTV Simple Plugin](#) (C++), [Grafana](#) (TS).

## Languages

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- **English & French** (Fluent), **Arabic** (Native)