

# Roberto Battaglia

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## Contact

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## Work Experience

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- Oct. 2019 – Now  
London, UK **Cogitare** – *Backend Developer*
  - Implemented RESTful web services (Java 8, Spring Boot, Spring Data, MongoDB)
  - Worked with asynchronous services in an event-driven architecture application (Apache Kafka)
  - Optimized performance to process big data
  - Set up from scratch a CI/CD environment (Jenkins, Artifactory)
- Oct. 2018 – Oct. 2019  
Milan, Italy **GFT Technologies** – *Backend Developer*
  - Implemented RESTful web services with Model-View-Controller approach (Java 8, Spring Boot, MyBatis, DB2 SQL)
  - Worked on a real-time data updating system for microservices internal communication that fulfills ACID properties (Java Message Service, Enterprise JavaBeans, IBM MQ)
  - Used Test Driven Development techniques to provide reliable software
  - Developed UI components (Angular)
- May 2018 – Jun 2018  
Palermo, Italy **INAF OAPa** – *Computational Physics Intern*
  - Simulated the explosion of a supernova using MPI (libraries for parallel calculus) with C++
  - Measured parallel scaling performance to optimize multicore load balance
  - Used numerical methods to solve differential equations

## Education

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- Oct. 2014 – Jul. 2018  
Palermo, Italy **University of Palermo** – *Bachelor's Degree in Physics*
  - Grade: 102/110
  - Thesis: Information Theory and Markov Chains

## Development Skills

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- Languages Java, Go, JavaScript, Bash
- Frameworks Spring (Boot, Data, Framework), MyBatis, React
- Cloud AWS EC2, AWS Lambda
- Databases MongoDB, DB2, MySQL

