

Roberto Battaglia

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Work Experience

- Oct. 2019 – Now
London, UK
Cogitare – Backend Developer
 - Designed and implemented RESTful services on a web application to monitor and improve London's Rail Network performance (Java 8, Spring Boot, Spring Data, MongoDB)
 - Developed asynchronous services in an event-driven application to process data from train black boxes (Apache Kafka)
 - Set up a CI/CD environment from scratch (Jenkins, Artifactory)
 - Wrote unit and integration tests (JUnit, Mockito, Spring Boot Test)
- Oct. 2018 – Oct. 2019
Milan, Italy
GFT Technologies – Backend Developer
 - Implemented RESTful web services with MVC approach (Java 8, Spring Boot, MyBatis, DB2 SQL)
 - Worked on a real-time data updating system for external services 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

- 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

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