Curriculum Vitae | Nacer DERGAL

👤 Personal

Contact & Social

✉ E-Mail dergal:nacer@outlook.fr | ⦿ Github ndergal | in Linkedin Profile

Whoami	Location	Phone 📞
Nacer DERGAL - 🎂 08/26/1993	⦿ Quebec,QC 🇨🇦	🇫🇷 +33(0)7 81 25 18 44

🏭 Professional Experience

Software Developer

📅 From: 09/2018 until Present

👥 EXFO - Onsite at Quebec, Canada 🇨🇦

Description

- Embedded software development in C#
- Agile Methodology
- Computer Vision
- Driver development

System integration/ DevOps engineer co-worker

📅 From: 09/2015 until 09/2018

👥 IGN - Onsite at Champs-Sur-Marne, France 🇫🇷

Description

- Implementation and administration of a virtualized software forge on Docker
- Automation of project creation
- Implementation of web application
- Website creation
- Deployment of a secured Docker Registry
- Creation of a Restful API from a database describing a road network with its traffic topology

🎓 Education

Master of Science in Computer Science and Network

- 🎓 Diplomed in 09/2018
- 🗓 Started in 09/2015
- 🏛 ESIPE

Bachelor of Science in Computer Science

- 🎓 Diplomed in 08/2017
- 🗓 Started in 12/2017
- 🏛 University of Sherbrooke

Bachelor of Science in Electrical and Industrial Computing

- 🎓 Diplomed in 09/2015
- 🗓 Started in 09/2011
- 🏛 UPEC

⚙ Skills

Programming skills

Data Mining, Functional Programming, Object Oriented Programming, Operating System, GUI, Design Pattern, Concurrent programming, Open stack, Distributed Computing, Network, Management, REST/SOAP/gRPC/GraphQL

Programming Languages

Java 13/Android/Spring/Swing, Ruby (Rails), C/++/#, Python, JS/TS, Go, PHP, Assembler, Bash, Racket, HTML5/CSS3

CI/CD

Jenkins, Maven, Ant, SonarQube, Gitlab, TFS, JUnit, Mockito

Database

Postgresql, MongoDB, MariaDB, Cassandra, Redis, SQLite, MySQL

Network

Protocols, LANs/WANs/WLANs, Wireless, Cellular, Cyber security, Routing, Cryptography/Certificate

Virtualization

Docker compose/swarm, Virtual machine (Virtualbox/VMware), Kubernetes, Rancher Cattle, AWS, S3

Web server

Nginx, Apache, Tomcat, Vertx, Unicorn

Load balancing / Proxy

Haproxy, Squid

Projects

Ordogene

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Description

Ordogene is a software that can be used to determine, using a genetic algorithm, the actions of a given process to maximize or minimize some resources in a minimum amount of time. These processes can be very different, such as getting ready in the morning, organizing an event or manufacturing industrial parts.

PapayaDB

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Description

A self-optimized document-oriented database storing a set of value in JSON format. The project was divided in several parts implanting the database itself (with atomic document insertion), a Web server (REST) to make queries (the queries are themselves JSON documents) and a client API in Java to make requests to the REST server (a request result had to be a Java Stream). Each module must be separate and independent. It had to be delivered as modular JARs (compatible with Java9 modules).