Emmanuel **Podestá Junior**

SOFTWARE ENGINEER

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"All we have to decide is what to do with the time that is given to us."

Summary

I am a geek who loves Vim, Linux and enjoys to customize all of the development enviroment. I have 5+ years experience on parallel and distributed systems focusing on back-end. With my experience, I learned to tackle several tasks to improve problem-solving skills, and increase my knowledge about tools and technologies. In each of those years, I developed and increased my love for challenging tasks and the knowledge that comes with every task solved.

Work Experience

Universidade Federal de Santa Catarina (UFSC)   *Florianópolis, SC*
RESEARCH AND DEVELOPMENT ENGINEER   *Feb. 2015 - Aug. 2018*
- Developed a High Performance Computing framework port to a low-power processor in C++ and a proprietary processor library.
- The ported framework enabled a lower power consumption in comparison with general processors.
- Helped improving a state-of-the-art parallel framework project.

Université Grenoble Alpes (UGA)   *Grenoble, France*
RESEARCH AND DEVELOPMENT ENGINEER   *Sept. 2019 - Nov. 2019*
- Improved further my research goals in a rich enviroment with authorities in High Performance Computing.

Honors & Awards

2021	**Finalist**, 16th Marathon of Parallel Programming	*Belo Horizonte, MG*
2018	**Bachelor Honors Degree**, Universidade Federal de Santa Catarina (UFSC)	*Florianópolis, SC*
2017	**Best scientific initiation work in Departamento de Informática e Estátistica (INE)**, Seminário de Iniciação Científica e Tecnológica da UFSC (SIC-UFSC)	*Florianópolis, SC*
2017	**Second Place**, 12th Marathon of Parallel Programming	*Campinas, SP*

Skills

PROGRAMMING LANGUAGES

Python   *Advanced*
USED THROUGHOUT MY COMPUTER SCIENCE COURSE.

C++   *Intermediate*
USED THROUGHOUT MY COMPUTER SCIENCE COURSE.

C   *Advanced*
USED THROUGHOUT MY COMPUTER SCIENCE COURSE.

Java   *Intermediate*
USED IN A COUPLE OF YEARS IN MY COMPUTER SCIENCE COURSE.

LANGUAGES

Brazilian Portuguese   *Native*

English   *Advanced*
ALWAYS SEACHING FOR NEW WAYS TO IMPROVE MY COMMUNICATION.

Other technologies

High Performance Computing   *Advanced*

USING EVERYDAY SINCE THE FIRST YEARS OF MY COMPUTER SCIENCE COURSE.

Distributed Systems   *Advanced*

USING EVERYDAY SINCE MY FIRST YEARS ON THE COMPUTER SCIENCE COURSE.

Parallel Computing   *Advanced*

USING EVERYDAY SINCE MY FIRST YEARS ON THE COMPUTER SCIENCE COURSE.

Linux   *Advanced*

USING EVERYDAY SINCE THE FIRST YEARS OF MY COMPUTER SCIENCE COURSE.

Git   *Intermediate*

USED IN EVERY PROJECT SINCE THE FIRST YEARS OF MY COMPUTER SCIENCE COURSE.

Presentation

36th ACM/SIGAPP Symposium On Applied Computing (SAC)   *Virtual Conference*

PRESENTER FOR A TRACE-DRIVEN METHODOLOGY FOR DISTRIBUTED OSES   *Mar. 2021*

- Introduced core concepts about HPC and power consumption.
- Discussed distributed OSes and how they improve HPC environment.
- Presented a Trace-driven methodology proposal to solve problems inside this context.

18th Simpósio de Sistemas Computacionais de Alto Desempenho (WSCAD)   *Campinas, SP*

PRESENTER FOR POWER EFFICIENT APPLICATIONS EXECUTION FOR A LIGHTWEIGHT MANYCORE   *Oct. 2017*

- Introduced core concepts about HPC and power consumption.
- Discussed about frameworks for application execution.
- Presented an improvement on one framework to achive better power efficiency.

Education

Universidade Federal de Santa Catarina (UFSC)   *Florianópolis, SC*

BACHELOR DEGREE IN COMPUTER SCIENCE   *Aug. 2013 - Aug. 2018*

Extracurricular Activity

Universidade Federal de Santa Catarina (UFSC)   *Florianópolis, SC*

TEACHING ASSISTANT ON PARALLEL AND DISTRIBUTED PROGRAMMING CLASS   *Feb. 2019 - Jul. 2019*

- Helped the teacher with the creation and review of documents, and presentations for the class.
- Helped on the creation of several problems for the students.
- Answered conceptual questions from students, and helped them with bugs and questions.