

Edmundo Matheus B. Santana

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EDUCATION

Federal University of Pernambuco (CIn/UFPE), Recife, Pernambuco, Brazil

- M.Sc. in Computer Science – Distributed Systems Mar 2017 – Apr 2019
 - Conclusion work: Rbinder: Transparent Tracing for Microservice-Based Applications
 - Supervisor: Prof. Nelson Souto Rosa
- B.S. in Computer Science Mar 2010 – Apr 2015
 - Conclusion Work: Resources Allocation in Virtual Networks Considering Dependability and Software Aging

RESEARCH EXPERIENCE

Federal University of Pernambuco (CIn/UFPE), Recife, Pernambuco, Brazil

- Undergraduate Research Student in Computer Networks Apr 2013 – Dec 2014
 - Project: Investigations on Resources Allocation within Virtual Network Environments
 - Subsidiary: National Council for Scientific and Technological Development – CNPq (Project 109167/2013-9)
 - Supervisor: Prof. Stenio Fernandes

PUBLICATIONS

MATHEUS SANTANA ; ADALBERTO SAMPAIO JR.; MARCOS ANDRADE; NELSON S. ROSA .
Transparent Tracing of Microservice-based Applications. In: The 34th ACM/SIGAPP Symposium On Applied Computing, 2019, Limassol, Cyprus.

SANTOS, M. A. B. ; MARTINS, R. ; SANTANA, E. M. B. ; FERNANDES, S. F. L. . An Adaptive Random Heuristic in Virtual Networks: Dependability Analysis. In: The 8th Latin American Network Operations and Management Symposium (LANOMS), 2015, João Pessoa.

AWARDS

- Hackathon on Gender and Citizenship Nov 2014
Organized by Chamber of Deputies, sponsored by the World Bank, awarded due to DonaMaria

INDUSTRY EXPERIENCE

Guava Software, Software Engineering May 2019 – Present

- Connecting with people all over the world to write the Ruby-based, second generation platform for a big logistics company with business presence in the whole globe.

Interage Agile Software House, Software Engineering Jul 2018 – Apr 2019

- Designed and implemented a microservices-architected application based on Ruby on Rails and React, operated with Kubernetes and tested with Pact
- Applied Continuous Integration practices throughout legacy and new projects

Trustvox, Software Engineering Aug 2016 – Feb 2018

- Performed (0 downtime) cloud provider migration of highly demanded service
- Debugged and optimized performance of multi-tier application
- Managed infrastructure as code with Ansible

Eloquent Studio, Software Engineering Oct 2014 – Jul 2016

- Implemented Full-Text Search with Elasticsearch
- Developed web APIs featuring AVRO for data serialization

LIKA (UFPE), Software Engineering Internship Feb 2014 – May 2015

- Facilitated projects building with Maven

Redu Educational Technologies, Software Engineering Internship Jan 2012 – Feb 2013

- Implemented third-party authentication

LANGUAGES

- Brazilian Portuguese: Native language.
- English: Fluent (speaking, reading, writing).

SKILLS

Programming, Unix, Git, Collaborative Software Development.

INTERESTS

Operating Systems, Distributed Tracing, Performance Modelling and Evaluation, Open Source Software.