## **Pedro Vitor Vilar Pitzer Cleis**

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#### About

Computer scientist with experience with both the academic and the industry, have a B.Sc. from the Federal University of Paraíba, while working as a civil servant and a workgroup assistant, researching the intersection between formal methods, privacy, security, denial of service attacks (especially HTTP and VoIP), networking (especially BLE, NFV and SDN). After graduating I went to Manaus to work at Sidia, a company created by Samsung Electronics for R&D in the Latin American region. After almost a year and a half, I returned to my hometown and currently work for Philips

#### Skills

Back-end (Java with Spring, Python with Django), Front-end (JavaScript with Angular, TypeScript with React), Database (DGraph, Oracle SQL, PostgreSQL), CI/CD (GitHub Actions, CircleCI, GitLab, K8S, Docker, JFrog), SCM (Git, Helix Core), Operating System (GNU/Linux, macOS, Windows), Mobile (React Native)

# **Experience**

#### Philips (Healthcare), João Pessoa. BR

- Experienced software developer, Mar 2022 Present
  - o Working in the Financial and Accounting squad of the Tasy team, legal squad
  - Oracle relational database for storage, Angular with JavaScript for front-end and Java with Spring for back-end

### Sidia (R&D), Manaus, BR

- Junior software developer, Dec 2020 Mar 2022
  - o Worked at the SOL (Samsung Electronics Overseas Lab) with various projects
  - o Published the AMANDA paper
  - Using graph databases (DGraph) for storage, React with TypeScript for front-end and Python with Django for back-end
  - o Migrating the CI/CD of various internal projects
  - o Git and Helix Core as source control management

# SUNY Upstate Medical University (Healthcare), Syracuse, US

- Project Assistant, May 2016 Aug 2016
  - o Developing a logistics model using operations research and supply chain optimization
  - o Focus on logistics, business intelligence, and the flow of material

### National Education and Research Network (R&D), João Pessoa, BR

- Workgroup assistant, Oct 2015 Oct 2016
  - Working closely with professor Vivek Nigam and Iguatemi Fonseca with researching the state of the art attacks and defenses in HTTP and VoIP
  - Developing simulations of networks using Maude System that closely relate to real world situations

 Further development over the years created a "computer program registration", BR 51 2016 001750-3

### Paraíba State's government (Civil service), João Pessoa, BR

- Administrative Technician, Jan 2013 Aug 2015
  - o IT Manager at the João Goulart State School
  - o Teaching competitive programming for high school students to compete in local Olympiads

## **Education**

- B.Sc. in Computer Science
  - o Federal University of Paraíba, UFPB, 2013 2020.
- Exchange student in Computer Science
  - O Stockton University, 2015 2016
- Summer course in Project Planning & Management
  - O Syracuse University, 2016

## Research

O AMANDA: A middleware for automatic migration between different database paradigms

# References

- O Vivek Nigam, email: vivek.nigam AT gmail DOT com, <a href="https://nigam.info/">https://nigam.info/</a>
- O Phillip Furtado, email: phillip.f AT samsung DOT com
- O Jonathan Ev, email: Jonathan.rodrigues.ev AT philips DOT com

## Languages

Portuguese: Native

English: Full professional proficiency (603 in TOEFL ITP)