

Pedro Vitor Vilar Pitzer Cleis

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About

Computer scientist with experience with both the academic and the industry experience, 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 to do R&D in the Latin American region. After almost a year and a half, I returned to my hometown and I'm currently working 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
 - Working in the Financial and Accounting squad of the Tasy team, legal group
 - 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
 - Worked at the SOL (Samsung Electronics Overseas Lab) with various projects
 - Published the AMANDA paper
 - Using graph databases (DGraph) for storage, React with TypeScript for front-end and Python with Django for back-end
 - Migrating the CI/CD of various internal projects
 - Git and Helix Core as source control management

SUNY Upstate Medical University (Healthcare), Syracuse, US

- Project Assistant, May 2016 – Aug 2016
 - Developing a logistics model using operations research and supply chain optimization
 - 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 professors Dr. Vivek Nigam and Dr. 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
 - IT Manager at the João Goulart State School
 - Teaching competitive programming for high school students to compete in local Olympiads

Education

- B.Sc. in computer science
 - Federal University of Paraíba, UFPB, 2013 – 2020
- Exchange student in the computer science program
 - Stockton University, 2015 – 2016
- Summer course in project planning & management
 - Syracuse University, 2016

Research

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

References

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

Languages

Portuguese: Native

English: Full professional proficiency (603 in TOEFL ITP in 2015)