Bruno B. P. L. de Araujo

Software Engineer

April 16th, 1986 (36 years old)

Rio de Janeiro, Brazil

Available on request

http://killerasus.github.io

bruno.baere@gmail.com

About me —

I am motivated by challenging tasks and to teach others about what I have learned. My experience as both an academic researcher and as a systems analyst helps me to approach, to model, to understand problems, and to develop a solution. My analytical skills have been proven useful in detecting and preventing bugs and problems in systems modeling.

For internships, publications, presentations, games developed, and extra-curricular courses, check the website above.

Skills ———

Programming: C, C++, C#, Lua Libraries: Boost, GTK, Qt

Quality control: Boost Test, Google

Test, valgrind, cppcheck Certifications: Certified Scrum Master, Certified Product Owner (Scrum Alliance)

Languages: Portuguese (Native),

English (Intermediate)

Test results: Cambridge English FCE

grade B2 (2003)

Experience

Feb 2022 -

Present Technical Lead

Instituto Tecgraf - PUC-Rio Tech lead in v3o2 project. Responsible for the teams' software architecture decisions, and representing the team. Programming

in C++ 17.

Jan 2020 -

Jan 2022 Systems Analyst Instituto Tecgraf – PUC-Rio

C++ developer in v3o2 project.

- Programming in C++ 17 using Qt, GTK+, and boost.
- Version control in git and CI/CD with gitlab.
- Technical interviewer in the recruitment process.
- Worked in a remote (work from home) environment, using VPN and ssh, coordinating using Jira and Slack.

Feb 2018 -

Jan 2020 **Product Owner** Instituto Tecgraf - PUC-Rio

Scrum Product Owner in v3o2 project. Responsible for the product value of various parts of the software dealing with geology and geophysics. Responsibilities included: understand the client needs, propose a solution, create user stories for the development team, and manage client expectations.

- Wrote and maintained the end-user product documentation for the parts I was responsible for.
- Established the recruitment interview process.
- Presented the product in client-held fairs.
- Participated in industry and academic related fairs to attract new clients for the company.

Aug 2011 -

Feb 2018

Systems Analyst/Researcher

Instituto Tecgraf - PUC-Rio

C++ developer in v3o2 project, a seismic and well data visualizer for Petrobras running on Linux RedHat/CentOS 5 using OpenGL 2, boost, and other open source and proprietary libraries.

- QA using GoogleTest framework, valgrind, and cppcheck.
- Implemented interfaces using GTK+ and Qt.
- Wrote tools in Lua to generate and transform data for testing.
- Organized and wrote the documentation of the development environment setup for work from home.
- Worked on the upgrade to RedHat/CentOS 6.
- · Presented with colleagues a 2 day workshop on Scrum.

Apr 2009 -

Aug 2011 Researcher ICAD/Visionlab - PUC-Rio

Researcher in games, digital entertainment and simulations. C# programmer in a joint project with CENPES and USP. Developed a shade tree editor in C# and Windows GDI for building DirectX shaders for the proof tank visualizer project.

Mar2009 -

Dec2009

Undergraduate Teaching Assistant Department of Informatics - PUC-Rio Worked as UTA for Introduction to Programming (C language) and Data Structures. Gave extra classes at Saturdays and post-class hours, resolving exercises and exams.

Education

2010-2012 M.Sc. Computer Science

PUC-Rio

Advisor: Bruno Feijó

Dissertation title: A study on dynamic difficulty adaptivity for

shoot'em up games

Granted 2 years of CAPES scholarship

GPA: 3.89 (4.0 scale)

2005-2009 B.Sc. Computer Engineering

PLIC-Rio

Minor: Advanced studies in Mathematics

Final project title: A shade tree editor for OGRE materials

Granted 2 years of CNPQ scholarship