

# Benoit Duhamel Ramananjafy

Software Engineer

131/398 Pitt St, Haymarket  
2000 Sydney  
☎ +61 431 221 157  
✉ [duhamel.rama@gmail.com](mailto:duhamel.rama@gmail.com)  
🌐 [www.ramanduh.fr/en](http://www.ramanduh.fr/en)  
📄 [duhamel-ramananjafy](#)  
📍 [ramanduh](#)



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## Employment

- June 2017 to May 2019 **Python developer**, *Scality*, Paris.
- Part of the setup team in a company that develops scale-out object storage software.
- Debug and maintain the software installer with focus on user experience:
    - Resolve product issues reported by the technical customer service or by QA teams
    - Develop and implement new features in Python and SaltStack
    - Code Review for team
  - Project leader on the Pre-installation suite, a tool run prior the installation in order to verify that the platform matches with the software requirements:
    - Write technical design from product manager specification
    - Define sprint goal and assign ticket to team members
    - Produce content to technical writer for product documentation
- February 2016 to May 2017 **Quality Assurance engineer**, *Scality*, Paris.
- Test and validation of a low level component (storage manager):
- Component test plan design
  - Development of test library in Python / Pytest
  - Tests integration in the continuous integration pipeline
  - Non regression tests (performance, functional, ...)
- June 2013 to January 2016 **R&D engineer**, *Secuserve*, Levallois Perret.
- Within an anti-spam solution editor company:
- Code maintenance and new features development related to the mail filtering system:
    - Designed and developed MAX (Message Attachment eXtractor): A module that extracts attachments from e-mail, according to user-defined rules, then sends the attachment to a file storage platform such as Dropbox, Oodrive, Box by using their REST API
    - Designed and developed, in Perl, a module for classifying e-mail according to their type: newsletter, advertising or social e-mail.
    - Developed, in php, an anti-virus query service
  - Writing and maintenance of automation scripts in shell and PHP: script for deployment, statistics, monitoring, backup, ...
- Apr. to Sept. 2012 **C developer**, *Cefem Solar Systems*, Aubenas.
- As part of a 6-month internship for degree validation, design of a secured communication channel between an embedded system and a web server for monitoring purpose.
- Development of the client application on the embedded card in C;
  - Set up of an apache web server and a PHP application for monitoring board (Proof of Concept).
- Jan. to May 2011 **C++ developer**, *University of Rouen*.
- As part of university project, development of an instant messaging application including the encryption of the sent messages and their authentication with the MAC (Message Authentication Code).
- June to July 2010 **Java developer**, *Contres Usinage*, Contres, France.
- Conception and development of a stock management application in Java (2-month internship).

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## Education

- 2012 **Master's Degree in Security of Information Systems**, *University of Rouen, France*.
- 2010 **Bachelor's Degree in Computer Science**, *University of Rouen, France*.

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## IT Skills and certification

- Certification Amazon Web Services Cloud Practitioner, International Software Testing Qualifications Board Foundation level
- OS Linux (Debian, CentOS, Ubuntu), FreeBSD.
- Programming Languages Python, Shell script, Php, JavaScript.
- Tools JIRA, Bitbucket, Git, SaltStack, Vim, Docker, OpenStack, Platform9, Terraform, ...

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## Languages and interests

Languages English, French, Malagasy.

Interests Dancing salsa, learning fingerstyle guitar, running.