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## Marcelo Barros de Almeida

I am graduated as electrical engineer, with MSc and PhD degrees in computational intelligence. In the last six years I have been working as embedded software developer, creating controllers for the industry automation field. Strong computer network knowledge and TCP/IP programming skills complete my profile. Mobility and Python programming are my current hobbies and I am starting in Qt for S60 and Qt for Maemo.

- **Email/jabber:** *marcelobarrosalmeida (at) gmail.com*
- [Croozeus blog \(EN\)](#)
- [FN blog \(EN\)](#)
- [NokiaBR blog \(pt BR\)](#)
- [Jedizone - Personal blog \(pt BR\)](#)
- [Wordmobi devel blog \(EN\)](#)
- [Linux embedded site \(pt BR\)](#)
- [Discussion board profile](#)

## Awards

- **Forum Nokia Champion Sep/2009**
- **Contributor of the Month for March 2009**
- **Forum Nokia Wiki Administrator** (since August/2009)
- **Feature article of the week:**
  - ◆ [Customized listbox on canvas with images support](#)
  - ◆ [Basic framework for creating user interface](#)
  - ◆ [Localization Example for PyS60](#)
  - ◆ [Toolbar on canvas for touch and non touch S60 devices](#)

- ◆ [Maemo 5 SDK installation for beginners](#)

## Contributions before August/2010

### Forum Nokia

- [Enhancing runtime error detection for PyS60 applications](#)
- [Installing Qt and running demos in Maemo 5 SDK](#)
- [Maemo 5 SDK installation for beginners](#)
- [Accessing public Qik streams from S60 phones](#)

### <http://croozeus.com/blogs>

1. [Network programming for PyS60 \(XVI\): Qik API in PyS60](#)

### Book chapter

- I am helping to write the book [Python on Symbian](#), at Symbian.org. I am responsible for networking programming chapters.

### PyS60 programs

- <http://code.google.com/p/wordmobi/source/browse/trunk/qikapi/> [Qik API and PyS60 demo].

## Contributions before August/2009

### Forum Nokia

- [Bringing REST architecture to S60 devices with Python: a guided tutorial using Twitter API](#)
- [Adicionando suporte a várias linguagens em PyS60](#)
- [Framework básico para criação de interfaces gráficas](#)
- [How to use urllib with proxy in PyS60](#)
- [Transferring files over WiFi with PyS60 - a client/server example](#)
- [Creating trend graphics on canvas](#)
- [How to use urllib with proxy in PyS60](#)
- [Scribble demo revisited. An application using transparent toolbars.](#)
- [API and demo application for accessing Wordpress statistics](#)

- [MIF format internals](#)
- [Searching all your SMSs at once with SMSearch](#)
- [Creating screencasts with mmaker](#)
- [Accessing public Oik streams from S60 phones](#)

## <http://croozeus.com/blogs>

Special post series about Network Programming with PyS60:

1. [Network programming for PyS60 \(I\)](#): Series proposal
2. [Network programming for PyS60 \(II\)](#): Books and references
3. [Network programming for PyS60 \(III\)](#): Socket API introduction, UDP, TCP and IP concepts. Client/server fortune server code example.
4. [Network programming for PyS60 \(IV\)](#): IP addressing theory.
5. [Network programming for PyS60 \(V\)](#): IP addressing practice: creating ad-hoc connections.
6. [Network programming for PyS60 \(VI\)](#): Access points selection.
7. [Network programming for PyS60 \(VII\)](#): Basic socket API in details. Protocol concepts. Mono thread file server code example.
8. [Network programming for PyS60 \(VIII\)](#): Mono thread file client code example.
9. [Network programming for PyS60 \(IX\)](#): Dealing with exceptions and debug. File log code example.
10. [Network programming for PyS60 \(X\)](#): urllib module and HTTP GET/POST concepts. Code example for retrieving blogs statistics from Wordpress accounts.
11. [Network programming for PyS60 \(XI\)](#): Multicast addressing theory
12. [Network programming for PyS60 \(XII\)](#): Multicast addressing programming
13. [Network programming for PyS60 \(XIII\)](#): Broadcast addressing theory and programming
14. [Network programming for PyS60 \(XIV\)](#): Link checker application for S60, using urllib and BeautifulSoup
15. [Network programming for PyS60 \(XV\)](#): Using file like sockets

## Book chapter

- I am helping to write the book [Python on Symbian](#), at Symbian.org. I am responsible for networking programming chapters.

## PyS60 programs

- [Wordmobi](#), a wordpress client.
- [Framework](#) for creating user interfaces.
- [TXFile and RXFile](#) for exchanging files between phones
- [simplejson](#) port for PyS60
- [Sigwatch](#), for graphics on canvas
- [remoteshell](#), a remote shell using WiFi instead bluetooth (works with Linux). Details [here](#).
- [mmaker](#), a utility creating videos of running applications.
- [canvaslistbox](#), a listbox on canvas
- [iamdoing](#), a twitter client.
- [s60twitter API](#), a REST client for twitter. Supports proxy and basic http authentication.

User:Marcelobarrosalmeida

- [wpstats](#), a client for downloading blog statistics from wordpress blogs.
- [urllibproxy](#), a urllib wrapper with proxy and basic http authentication support.
- [locale demo](#), used in [Localization Example for PyS60](#). See [wiki page](#) for instructions.
- [CanvasToolbar demo code](#)
- [Scribble demo revisited](#).

## Phones

Currently testing my application in the following phones:

- E71
- XpressMusic 5800
- N95

I have been using XM 5800 daily since I am engaged in creating programs with touch support. However, E71 is my preferred device.

Dreaming about:

- N97
- E72
- E series with touch screen (someday?)
- N900

--**Marcelobarrosalmeida** 18:18, 3 July 2009 (EEST)