Cappuccino

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**nuage**networks

#CappCon2016

# Antoine Mercadal

- Cappuccino Core Developer
  since 2010

- Archipel
  since 2010

- UI/UX Jedi at Nuage
  since 2012

# about **nuage**networks

- Spin off of ~~Alcatel Lucent~~ Nokia
  small startup in a giant corporation

- Provides a SDN Solution
  software defined network

- Growing
  more than 200 people now

- Great customers
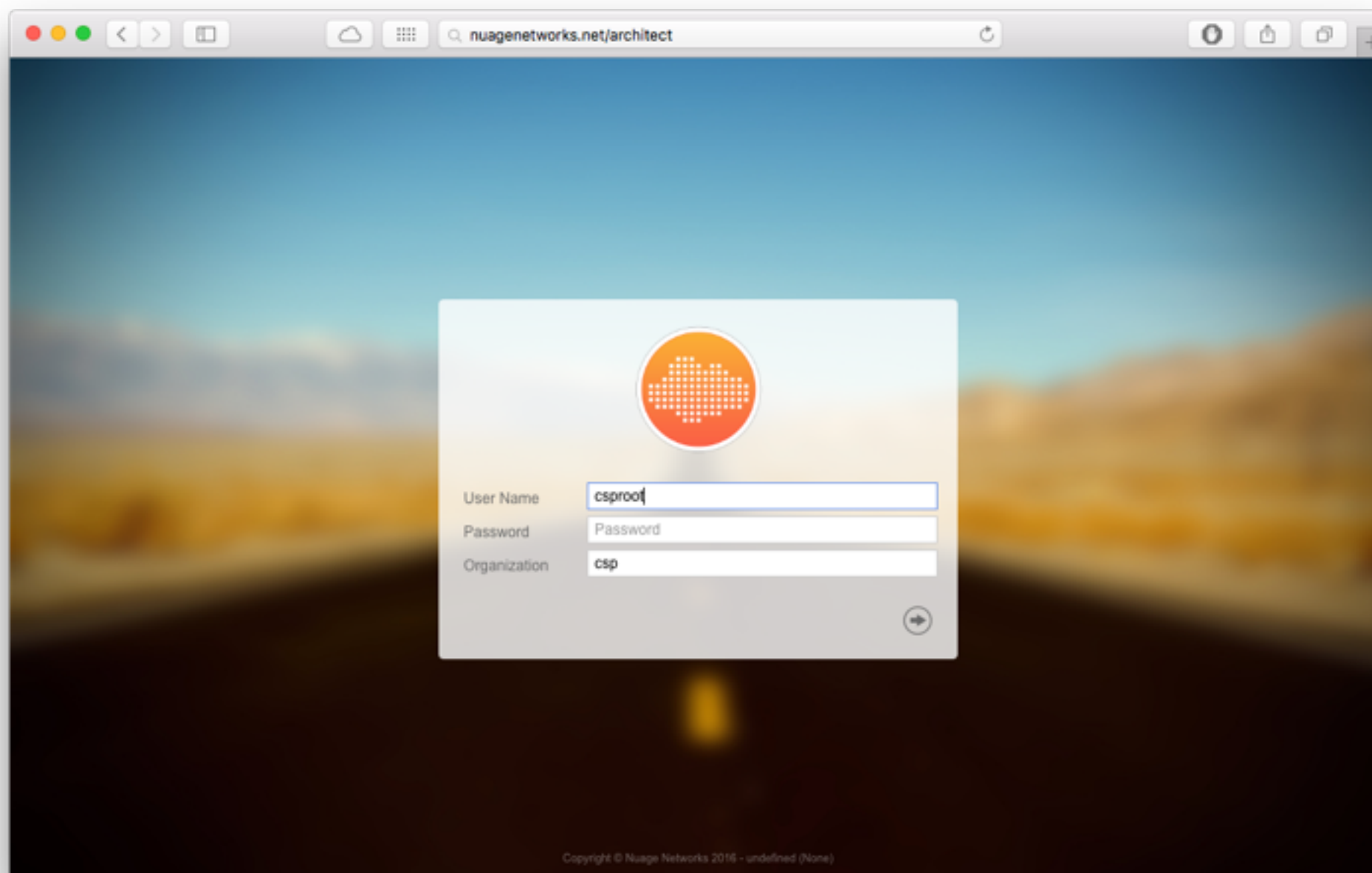  banking, telcos, service providers

http://nuagenetworks.net

# Architect

- ## User Interface to manage the VSP
  all built with cappuccino

- ## Huge application
  8076 files, 175 xibs, 1,462,367 lines of code

- ## Modular
  set of modules that manage a particular part of the model
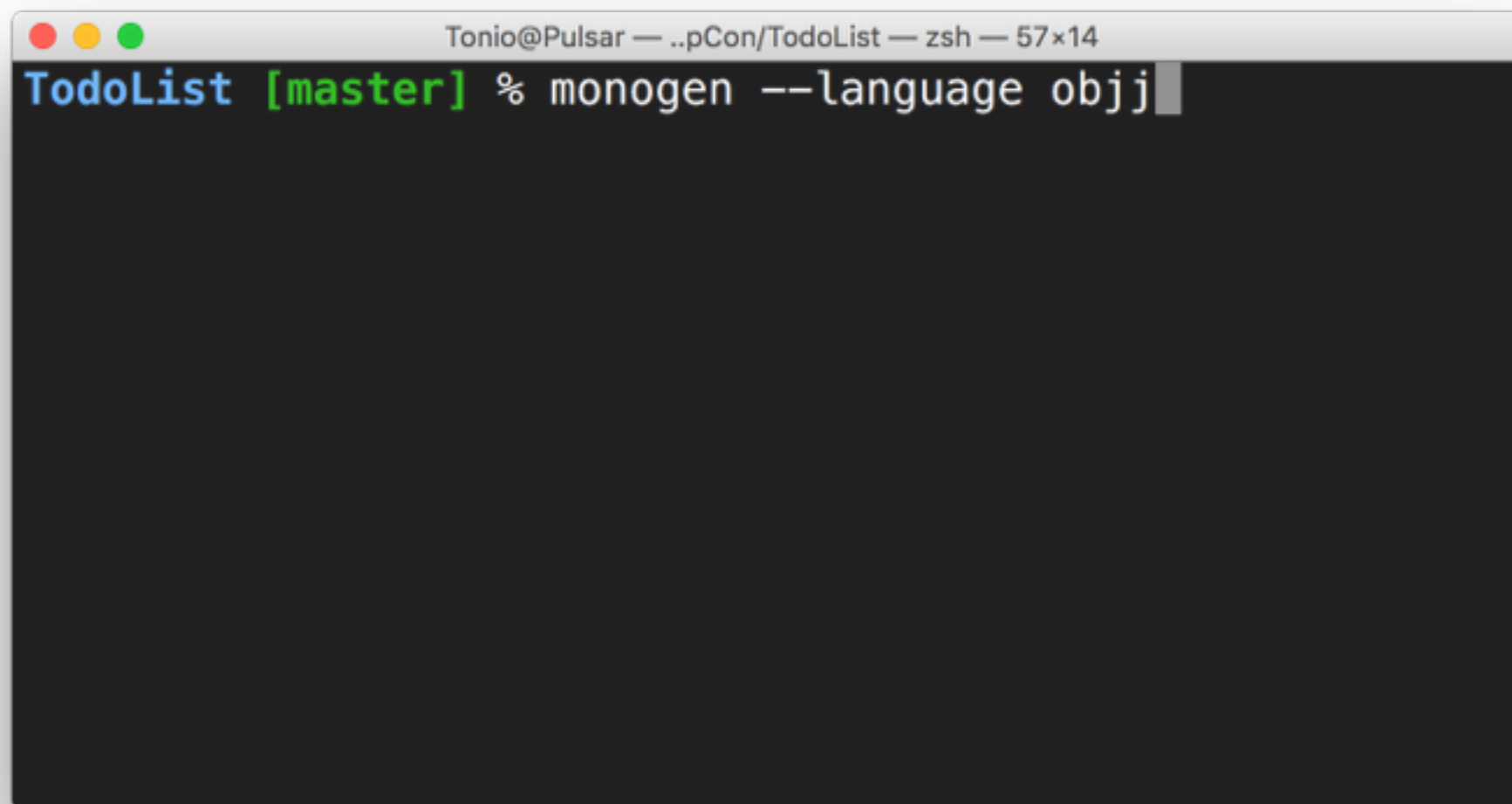
- ## Handled by a very small team
  3 people

# Demo

# Monolithe

- Library and tool that generate SDKs
  from a set of specifications

- Highly configurable
  uses a configuration file for the most of meta information

- Modular
  each supported language is a plugin

- Support for multiple languages
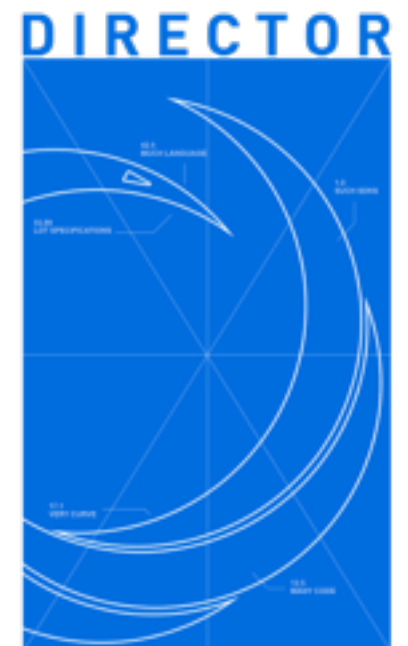  python, go, objective-j, java and html (documentation)

# Demo

# Specifications Director

- **UI to Monolithe Specifications**
  never edit one spec file manually ever

- **Client / Server application**
  rest apis, docker friendly, scalable

- **Integrated with GitHub workflow**
  tracking, review, branches of the specifications

# Demo
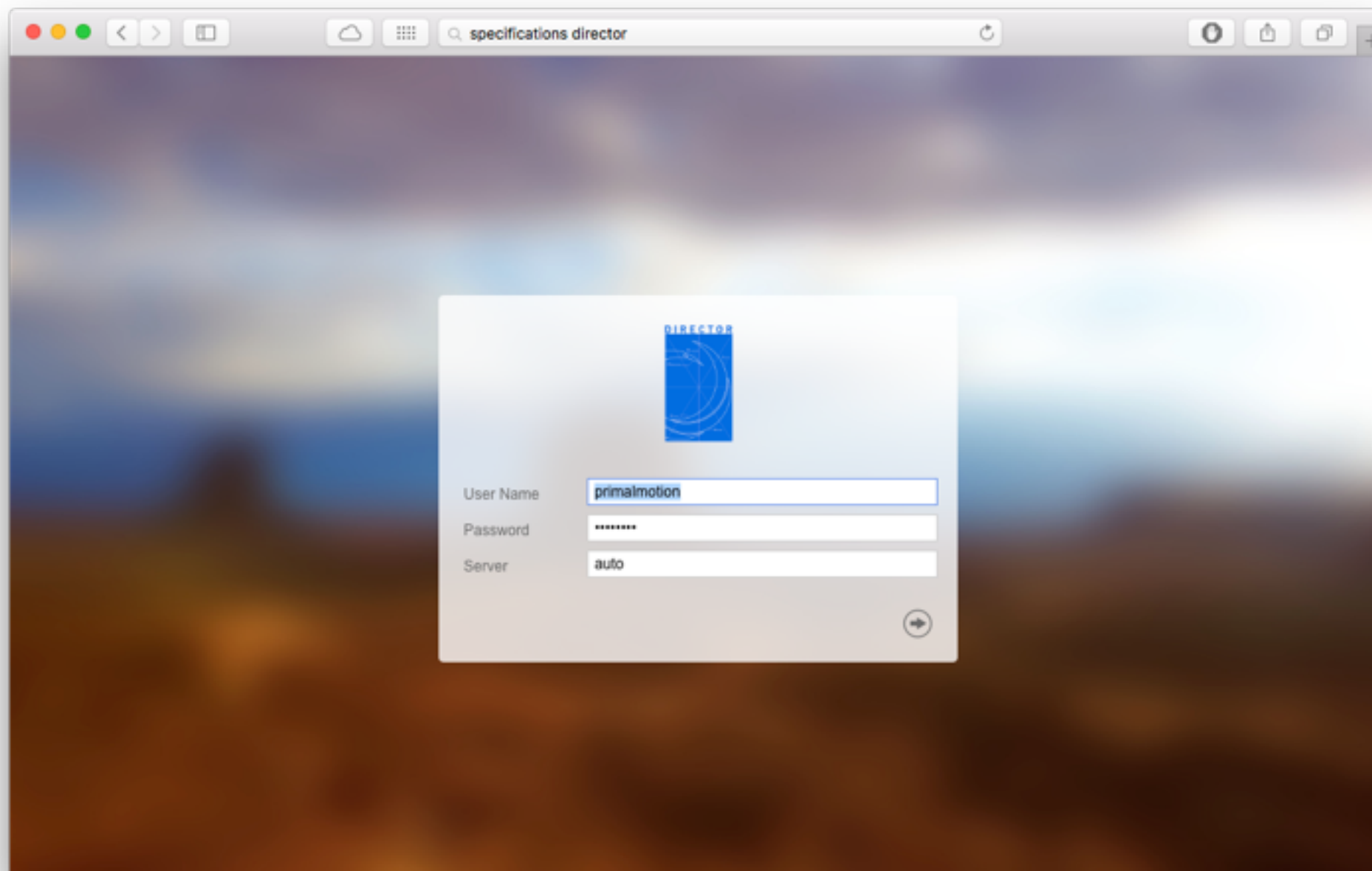
# NUKit

- **Application Framework for Cappuccino**
  for garuda-like backends.

- **Implementation of API concepts**
  CRUD, editors, push, model bindings...

- **Modular**
  work on well isolated modules for each view.

- **Comes with a set of tools**
  build tools, generation kit, templates…

NUKit

# Garuda

- Provides a ready-to-use Python backend
  based on generated monolithe sdk

- All CRUD operations come for free
  plus push notifications, permissions, storage,
  scaling...

- Modular
  only write custom business logic in isolated plugins

- Docker friendly
  works just perfectly with docker scaling abilities

# Demo

# NUKit Features

icons        itemized module                    hierarchy controllers

numeric textfield                    pagination    model bindings

one-to-one associators                    flat theme

stack view        editors        modular    membership module

CRUD        network textfield

permissions

push        skin

multi context module                    simplified jakefile

login management

filtering                    one-to-many associators

client & server side validation        horizontal scroll view

github.com/nuagenetworks
hub.docker.com/u/monolithe

# Thank you!