



# BlueBream

The Zope Web Framework

Baiju M

# Contents

1. About Me
2. Introduction
3. Why BlueBream
4. Concepts
5. Technologies
6. Installation
7. Development Overview
8. Conclusion
9. Questions

# About Me

- Working as a TechLead at ZeOmega
- Job at FSF India (2002 to 2003)
- Koha Consultant (2003 to 2004)
- Introduced Python to a startup company (2004)
- Founded SMC project in 2001
- Contributor to Zope since 2006
- Authored ZCA book
- Initiated BlueBream project (Jan 2010)
- Conducted many Python workshops & talks

# Introduction

- Framework formerly known as Zope 3
- Written in Python
- Free/Open Source Software
- Owned by Zope Foundation
- Zope Public License (BSD like, GPL compatible)
- Developed by Zope community
- Zope was originally created by Jim Fulton in 1996
- Predecessors: Bobo -> Principia -> Zope
- Rewrote in 2001 with ZCA
- Meaning: BlueBream = Fish = Zope
- ZTK extracted from Zope 3 (2009)
- BlueBream name change in 2010

# Why BlueBream

- Built on top of Zope Tool Kit (ZTK)
- Uses Buildout
- Zope Object Database
- Zope Configuration Markup Language
- Zope Component Architecture
- WSGI

# Concepts

- Interface
- ZCA
- Events
- Adapter
- Utility
- Subscriber
- Handler
- Component Registry
- Object Publishing
- View
- Content Object

# Concepts (Contd.)

- Container
- Schema
- Widget
- Layer
- Skin
- Annotation
- Content Provider
- Viewlet

# Technologies

- ZODB
- Page Templates
- ZCML
- WSGI
- PasteScript
- PasteDeploy



# Installation

- `easy_install bluebream`
- `paster create -t bluebream`
- `paster serve debug.ini`

# Development Overview

- Write interfaces
- Write unittests
- Use Adapters & Utilities
- Use WSGI middlewares
- Recommended to use namespace packages

# Conclusions

- No Z shaped learning curve
- Easy, Powerful, Scalable Framework
- Play well with Python web ecosystem
- Good community & commercial support
- A unique experience of developing applications

# Questions ?

<http://baijum81.livejournal.com>  
[baiju.m.mail@gmail.com](mailto:baiju.m.mail@gmail.com)

