Software Engineering in Puerto Rico

Rock Solid Technologies, Inc.
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VP & General Manager

Rock Solid Technologies
www.rocksolid.com
- Software development and implementation firm
- About 30 Colegiales
- Offices
  - San Juan
  - Austin, TX
  - St. Michael, Barbados

What is software?
- Programs
- Documentation
- Manuals
- Help files
- Licenses

Software engineering definition
- … is concerned with software systems which are built by teams rather than individual programmers, uses engineering principles in the development of these systems, and is made up of both technical and non-technical aspects…

Trade-offs Triangle

Tradeoff Matrix

Resource | Schedule | Features
---------|----------|---------
Check | Check | Check

What is software engineering – my version?

- Marketing
- Proposals
- Economic Analysis
- ROI
- TCO
- Sales
- Legal – Contracts
- Licensing
- Requirement Definition
- Prototype
- Risk Management

- Design
- Coding
- Testing
- More testing
- Training
- Implement
- On-site Support
- Help Desk
- Maintenance
- Enhancements
- Re-negotiate

Well engineered software

- Functional
- Maintainable
- Reliable
- Efficient
- Appropriate user interface
  - User-friendly
  - Expert-friendly

Software Models

- Waterfall model
- Iterative waterfall model
- Prototyping
  - Works well for us in government
- Others

MSF Process Model

Software Engineering here?

Or here?
I prefer here!

Puerto Rico Software Development Map
- Multiple local companies doing Software Development
  - Rock Solid – government and private sector
  - Softek, DevNet Systems, Infow
  - CRQ, Infotech, Evertec, Nagnoi
  - Your Company – Become an entrepreneur!
- Multinationals
  - SAP
  - ORACLE
  - Microsoft
- Others
  - Insurance
  - Banking

The key to good Software Engineering – Knowing what the customer wants!

How to improve your chances?
- Learn to write
  - Not just software code
- Learn to speak
- Learn to listen
- Networking: Student and Business Orgs
- Focus on learning the business
- Become a well rounded professional
- Give back to your community, $chool, etc.

Action Items
- Create your profile at: www.s2bprogram.com
- Register in DreamSpark
  - Get free Microsoft software
- Assemble your team for the Imagine Cup
  - Poland
  - $25k

Q&A
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