Software Engineering: An industry perspective

Company of the Year - Scottish Software Awards 2006

jpmorgan.com/careers
Introductions

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What is Investment Banking?

Investment banking has evolved to meet the complex financial needs of clients ranging from multinational corporations to wealthy individuals.
Some things we do...

- Advise on mergers and acquisitions
- Monitor and minimize financial risk
- Trade shares, bonds and derivatives
- Provide strategic financial advice
- Manage investment portfolios

- Complex, highly competitive and fast-moving

THIS IS WHERE YOU NEED TO BE.
WHAT IS TECHNOLOGY?

“MANAGING OUR OWN TECHNOLOGY IS THE BEST OPTION FOR THE LONG-TERM SUCCESS OF THE BUSINESS”

JAMIE DIMON, CEO, JPMORGAN

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What is technology?

- A global, fully integrated part of the bank
- Backed by a $7 billion annual investment in IT
- Independently recognised for excellence
- Innovation and enterprise as standard

- Creates the bank’s competitive edge
510 technologists - largest technology employer in Scotland
Diverse roles in Plan, Build, Operate and Infrastructure
Recruiting 35 graduates for 2007
Same time zone/language allowing full engagement with business
Company of the Year - Scottish Software Awards 2006
Academia vs. Industry

Aims

Why is this important?

This is where you need to be.
Success criteria for academic work

What are the success criteria in industry?
Project Scale

- Size
- Time
- Cost
- Complexity

THIS IS WHERE YOU NEED TO BE.
Role within a ‘virtual’ team

Shared systems/data sources

Plan/Build/Operate model

This is where you need to be.
Accountability

- Auditory requirements
- History and rollbacks
- Traceability
- Cost of failure

This is where you need to be.
Client Management

- Business Stakeholders
- Develop domain knowledge
- Ever-changing requirements
- Managing expectations

This is where you need to be.
Next practical project, what if...

- you had to hand over the practical to another team on completion
- your lecturer asked you to estimate effort accurately before you start
- the requirements for passing changed half-way through the project
- you had to come back and extend the software next year for another practical
For further information...

Any Questions?

THIS IS WHERE YOU NEED TO BE.
For further information...

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THIS IS WHERE YOU NEED TO BE.