JPMorgan ◆

Software Engineering: An industry perspective

Company of the Year - Scottish Software Awards 2006

jpmorgan.com/careers

THIS IS WHERE YOU NEED TO BE.

Introductions

➡ John Gibson – john.h.gibson@jpmchase.com

➡ Robert Lally – robert.j.lally@jpmchase.com

➡ Jeremy Nelson – jeremy.a.nelson@jpmchase.com

THIS IS WHERE YOU NEED TO BE.

What is Investment Banking?

Investment banking has evolved to meet the complex financial needs of clients ranging from multinational corporations to wealthy individuals

THIS IS WHERE YOU NEED TO BE.

![JPMorgan]

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?

➡ 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

European Technology Centre - Glasgow

➔ 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

THIS IS WHERE YOU NEED TO BE.

An Industry Perspective

➡ Academia vs. Industry

➡ Aims

➡ Why is this important?

THIS IS WHERE YOU NEED TO BE.

Success Criteria

➔ Success criteria for academic work

➔ What are the success criteria in industry?

THIS IS WHERE YOU NEED TO BE.

Project Scale

➔ Size

➔ Time

➔ Cost

➔ Complexity

THIS IS WHERE YOU NEED TO BE.

Project Ownership

➔ 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.

Conclusions

➔ **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

THIS IS WHERE YOU NEED TO BE.

For further information…

JPMorgan

Any Questions?

THIS IS WHERE YOU NEED TO BE.

JPMorgan

For further information…

APPLY ONLINE AT
jpmorgan.com/careers

THIS IS WHERE YOU NEED TO BE.