

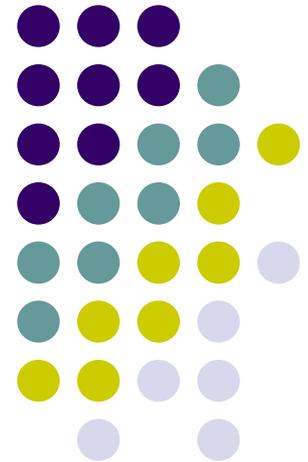
# Software Assurance Forum

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## The Educational Supply Chain – Addressing Today’s SwA Knowledge Needs

Sajay Rai

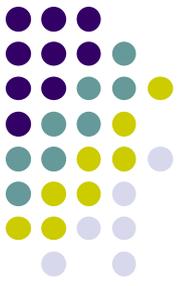


# Why Security Education is important to business?



- To assist clients develop “rugged” software
- To address the shortage of quality security professionals in the market
- To build the foundation of strong security skills within students
- To shorten the OJT time
- To accelerate the usefulness of their skills in business

# A little about us - Securely Yours LLC



- Focused on cost-effective innovative solutions in the area of information security, privacy, disaster recovery, IT risk and IT audit
- Recently, announced a division, Securely Mobile, focused on management and security of smart devices
- Delivery models include consulting, managed security services, Security-as-a-Service (SaaS) and Staff Augmentation



# Our Clients Concerns...

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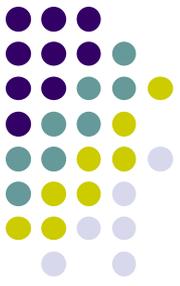
- Our focus is a little different than perhaps the academia or the software developers
- Our clients call us to perform security assessments because the ruggedness of software is not where it needs to be
- Our clients are worried of security risks in operating systems, databases, application software and network software
- Patch Management is a key IT process for our clients

# Security Activities we perform

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- Vulnerability Scans and Penetration testing
- Web application “Grey Box”, “White Box”, “Black Box” assessments
- IAM - architecture and deployment
- Software Development Life Cycle – Risk Assessments of new or existing applications
- IT application control audits
- Management and Security of Smart Devices



# Skills we are looking for ...

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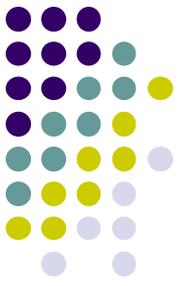
- Network penetration skills
- Application code review
- IAM
- Strong Audit background for IT controls
- Incident response and forensics
- Data Analytics
- Technical knowledge of tools ( SIEM, DLP)
- Mobile Device technology

# Need help from Education community in ...



- Hands-on experience with assessment tools
  - Fortify
  - Veracode
  - IAM tools
  - Network and Wireless tools
- Practical consulting acumen and experience
  - Ability to identify false positives of the tool
  - Ability to communicate technical issues to management

# Where business and education meet ...



- Need to update curriculum and content (at least my experience)
- Bring more practitioners to the lecture rooms
- Take internships seriously – “No internship, No degree”
- Curriculum needs to have more practical hands-on labs
- “I feel like if the student can afford the degree, they will get it” – Let’s make them earn the degree