Career Opportunities

Career Opportunities for Mobile App Developers

Global Scenario

Mobile Applications have spawned a new industry aptly called the “Mobile Apps Economy” which continues to grow at a rapid pace.

- Number of Apps in Android market - Google Play: 7,00,000 *
- Number of Apps in Apple App Store: 6,50,000 **
- Estimated size of the current Mobile App Industry: $ 25 billion***
- Revenue growth of Mobile Apps Industry 2011 & 2012: 197 %****

The boom is set to create about 3 million Mobile Application Development related jobs worldwide.

*(Source: Bloomberg Business week)  ** (Source: Distimo) *** (Source: Gartner Inc) **** (Source: ScanLife Trend Report 2012)

Indian Scenario

Advantage India

The sector’s exponential growth bodes well for India. With huge investments provided for developing both consumer and enterprise apps, the sector in India will open up challenging opportunities – for both outsourced and indigenous app development.

Indian App market estimated to be around Rs 150-200Cr; could grow up to Rs 2,000Cr by 2016: Avendus Report

The Indian app market was estimated to be Rs 150-200 crore during 2012, as per a study released by Avendus Partners. The total monthly revenues earned by Google Play and Apple app store from Indian customers was Rs 27.5 crore in October 2012 or an annualized run-rate of Rs 330 crore. Based on these estimates, the market size for 2012 has been pegged to be somewhere Rs 150-200 crore.

- As per the study, the Indian app market could reach Rs 2,000 crore by 2016.
- As per the estimates, Google Play and Apple App store are expected to cross Rs 800 crore each by 2016.

Employment Opportunities

- Small, Medium and Large Professional Services IT Companies
- Enterprise Application Product and Service Companies
- Mobile Application Product and Service Companies
- VAS providers
- e-Commerce, m-Commerce companies
- Internet companies

Career Opportunities for Information Security Professionals
Global Scenario

Cyber Security Needs Drives IT Job Growth
“New research has found that job openings in the field of cyber security have grown by more than 100 percent in the past year. Those openings are only expected to grow in the coming year, jumping an additional 30 percent in 2014. The demands for security workers points to the importance companies are placing on responding to the growth of recent attacks on businesses of all sizes.”
- Business News Daily

US Federal agencies to hire more cyber defenders in 2014
“The Army is building a new cyber command center at Fort Meade to eventually house 1,500, leading a worldwide cyber corps of 21,000 soldiers and civilians. By 2017, the Air Force will add more than 1,000 uniformed cyber forces to its 6,000 experts now working at the Air Force Space Command. The Navy had 800 cybersecurity staffers in 2013 and will reach nearly 1,000 by 2017, working toward a mix of 80 percent uniformed personnel and 20 percent civilian employees and contractors. The Marines currently have 300 uniformed personnel, civilians and contractors at work, and plan to increase that number to just fewer than 1,000 by 2017.” - Capital Business

Indian Scenario

As per National Cyber Security Policy – 2013: there will be a requirement of 500,000 professionals skilled in cyber security in the next 5 years. Also the Ministry of Communication and Information Technology will encourage all organizations, private and public to designate a member of senior management, as Chief Information Security Officer (CISO), responsible for cyber security efforts and initiatives.

“Analysts said that India currently has around 22000 certified cyber security professionals, which is significantly lesser than the requirement of 77000 personnel. The current number is miniscule when compared to the nearly 25 million cyber warriors in China. According to recent data, India would need 4.7 lakh cyber security professionals by 2015 to protect its IT infrastructure”.
- The Times of India

Even in the most difficult of economic times, IT security is a full-employment field. With the growing number of threats on the horizon, and the growing awareness of cyber security vulnerabilities and issues inside the enterprise, it is clear that security will be a top priority for the coming year and likely for years to come.

Job opportunity for Cyber Security Professions in various departments of different sectors:

- **Corporate** (Information Security, Compliance, IT&IS Audit, Software Development etc.)
- **Banking, Finance and Insurance Sector** (IT and Data Security, E-Commerce and Net-banking Security, Compliance, Information Risk Management, IT&IS Audit etc.)
- **Defence and Police** (R&D, Investigation and Forensics, IT Infrastructure Security etc.)
- **Governance** (E-Governance, Public Key Infrastructure Management, Forensic Science Labs etc.)
- **Legal Department** (Cyber Forensics Consultants, Cyber Law Expert, Expert witness etc.)
- **Cyber Fraud Consultants/ Management** (Ethical Hacker, Penetration Testers, Cyber Fraud Detectives)
### Career Progression Path

#### Mobile Applications*

<table>
<thead>
<tr>
<th></th>
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<th>mid level (3-5 yrs exp.)</th>
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<tbody>
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<td>UI Designer</td>
<td>UI Development Lead</td>
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<tr>
<td>Software Engineer/Developer</td>
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<td>Sr Software Engineer/Developer</td>
<td>Technical Lead/Technical Manager/Project Manager</td>
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<tr>
<td>Test Engineer</td>
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<td>Sr Test Engineer</td>
<td>Test Manager</td>
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<td>Mobile Application Developer</td>
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<td>Mobile Application Enterpreneur</td>
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*Terms & Conditions apply

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<td>Sr. Information Security Officer</td>
<td>Chief Information Security Officer</td>
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<td>Network and Database Manager-IT Security</td>
<td>Datacenter Security Engineer</td>
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