Mobile Application Development is the process of developing, creating and modifying general computer application software or specialized utility programs for mobile devices. This industry is currently experiencing massive growth as more and more people access the web across the world through cheaper mobile devices rather than from personal computers.

**CAREER INSIGHT**

**MOBILE APPLICATION DEVELOPMENT**

**KEY FINDINGS**

Occupations related to mobile application development command substantially higher annual salaries than the geographic averages for those occupations.

Programming and complex problem solving are critical abilities to have in software development.

While Orange County has slightly lower growth rates in terms of software developers, occupational growth is expected to outpace both state and national averages.

**MOST IMPORTANT TASKS AND DUTIES**

1. Modify existing software to correct errors, allow it to adapt to new hardware, or to improve its performance.

2. Develop and direct software system testing and validation procedures, programming, and documentation.

3. Confer with systems analysts, engineers, and programmers to obtain information on project limitations and capabilities, performance requirements and interfaces.

4. Analyze user needs and software requirements to determine feasibility of design within time and cost constraints.

5. Store, retrieve, and manipulate data for analysis of system capabilities and requirements.

**TOP SKILL SETS**

- Programming
- Complex Problem Solving
- Systems Analysis
- Systems Evaluation
- Judgment and Decision Making

**KEY TRAITS**

- Innovative
- Problem Solving Skills
- Analytical Thinking
- Deductive Reasoning
- Leadership Skills
- Inductive Reasoning
- System Analysis Skills
- Attentive to Detail

**RELATED COURSEWORK**

- Java Programming Certificate Program
- Agile Project Management Certificate Program
- Embedded Systems Engineering Certificate Program
- Introductory Computer Programming Courses

**EDUCATIONAL LEVEL BY TYPE**

- Bachelor's Degree: 72%
- Master's Degree: 8%
- Post-Master's Degree: 8%

**EMPLOYMENT OVERVIEW**

<table>
<thead>
<tr>
<th></th>
<th>CALIFORNIA ANNUAL SALARY</th>
<th>SOFTWARE DEVELOPERS, APPLICATIONS*</th>
<th>SOFTWARE DEVELOPERS, SYSTEMS SOFTWARE*</th>
<th>COMPUTER PROGRAMMERS</th>
<th>COMPUTER SYSTEMS ANALYST*</th>
<th>WEB DEVELOPERS*</th>
<th>INFORMATION SECURITY ANALYST*</th>
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</thead>
<tbody>
<tr>
<td>OC</td>
<td>$105,464</td>
<td>$122,626</td>
<td>$124,915</td>
<td>$90,134</td>
<td>$97,814</td>
<td>$104,935</td>
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<tr>
<td>CA</td>
<td>$121,626</td>
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<tr>
<td>10.6%</td>
<td>$102,160</td>
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<td>$84,360</td>
<td>$90,180</td>
<td>$72,874</td>
<td>$93,250</td>
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</tbody>
</table>

* Bright Outlook - occupations are expected to grow rapidly in the next decade, will have large numbers of job openings, or are new/emerging occupations according to the U.S. Department of Labor.

**CALIFORNIA EMPLOYMENT PROJECTIONS 2012-2022**

- Annual growth rate: 20.4%
- Projected employment: 26%

**CALIFORNIA ANNUAL SALARY**

- SOFTWARE DEVELOPERS, APPLICATIONS: $105,464
- SOFTWARE DEVELOPERS, SYSTEMS SOFTWARE: $122,626
- COMPUTER PROGRAMMERS: $90,134
- COMPUTER SYSTEMS ANALYSTS: $97,814
- WEB DEVELOPERS: $104,935
- INFORMATION SECURITY ANALYSTS: $127,583

**ORANGE COUNTY ANNUAL SALARY**

- SOFTWARE DEVELOPERS, APPLICATIONS: $105,464
- SOFTWARE DEVELOPERS, SYSTEMS SOFTWARE: $122,626
- COMPUTER PROGRAMMERS: $90,134
- COMPUTER SYSTEMS ANALYSTS: $97,814
- WEB DEVELOPERS: $104,935
- INFORMATION SECURITY ANALYSTS: $127,583

**CALIFORNIA EMPLOYMENT PROJECTIONS 2012-2022**

- Annual growth rate: 20.4%
- Projected employment: 26%

**RELEVANT EDUCATION**

- Bachelor's Degree: 72%
- Master's Degree: 8%
- Post-Master's Degree: 8%