WHAT OPPORTUNITIES ARE AVAILABLE?

The demand for Software Developers is strong and growing in the region, consistently placing these workers among the highest-demanded in Southeast Michigan. Software Developers, Applications and Software Developers Systems Software are the two primary branches of software development. Applications developers focus on end-user experience and specialized programs, while systems software developers work closely with critical network infrastructure and embedded technologies.

HOW MUCH COULD I EARN?

<table>
<thead>
<tr>
<th></th>
<th>ENTRY</th>
<th>MEDIAN</th>
<th>EXPERIENCED</th>
</tr>
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<tbody>
<tr>
<td>Software Developers, Applications</td>
<td>$28.02</td>
<td>$43.66</td>
<td>$63.25</td>
</tr>
<tr>
<td>Software Developers, Systems Software</td>
<td>$23.32</td>
<td>$43.19</td>
<td>$62.79</td>
</tr>
</tbody>
</table>

WHERE WOULD I WORK?

TOP INDUSTRIES
- Computer Systems Design Services
- Custom Computer Programming Services
- Software Publishers
- Automobile Manufacturing
- Motor Vehicle Parts Manufacturing
- Engineering Services
- Commercial Banking
- Electronics Stores
- Telecommunications Resellers
- Research and Development in the Physical, Engineering, and Life Sciences

2019 TOP POSTING EMPLOYERS
- Ford Motor Company
- Renature, Inc.
- Oracle Corporation
- ALTAIR ENGINEERING, INC.
- General Motors Company
- Cybercoders, Inc.
- Robert Bosch LLC
- Quicken Loans Inc.
- Fast Switch, Ltd.
- Teksystems, Inc.
WHAT EDUCATION & SKILLS WILL I NEED?
Many software development occupations require a bachelor’s degree for entry, a requirement reflected in most online job postings. Additionally, certificates such as a Microsoft Certified Professional and proficiency with many programming languages can help you stand out.

WHAT AREAS OF STUDY SHOULD I CONSIDER?
In 2017, there were 1,524 software development-related program completions, with the Computer Programmer/Programmer, General program having the highest completion number. Other programs with high completion numbers are the Computer Engineering, General program and Information Science/Studies.

WHAT SKILLS SHOULD I DEVELOP?
• Software Engineering
• Software Development
• Java
• Agile Software Development
• SQL

• Computer Sciences
• Innovation
• Management
• Integration
• Communications

WHAT QUALIFICATIONS SHOULD I PURSUE?
• Microsoft Certified Professional
• Salesforce Certification
• Microsoft Certified Systems Engineer

• ITIL Certifications
• Certified Information Systems Security Professional (CISSP)
• Six Sigma Black Belt Certification

WHAT ELSE SHOULD I KNOW?
Software developers are heavily demanded in professional, scientific, and technical services throughout southeast Michigan. Besides technology firms, many developers are hired by automotive and financial companies. Salary approximations for software developers can range from $46,000 to over $126,000 with experience.

IS THIS FIELD EXPECTED TO GROW?
6% GROWTH PROJECTED BY 2023

HOW DO I GET STARTED?
For more information on how to start your career as a software developer visit www.micareertraining.org.