Java is often referred to as “the programming language of the internet”, and JavaScript to this day is still an essential component of helping websites run smoothly, provide useful functions, and create user-friendly designs. Java programmers are often experienced with both the programming and design elements of websites, and create useful tools such as online retail checkout for companies to implement.

**KEY FINDINGS**

Business-to-business web technology is constantly growing, and Java programmers are critical players in keeping e-commerce moving forward.

Java programmers are demanded at a range of experience levels, training is accessible, and the language compliments the business education background prevalent in Orange County’s labor force strengths.

**MOST IMPORTANT TASKS AND DUTIES**

1. Correct errors by making appropriate changes and rechecking the program to ensure that the desired results are produced.
2. Conduct trial runs of programs and software applications to be sure they will produce the desired information and that the instructions are correct.
3. Write, update, and maintain software packages to handle specific jobs such as tracking inventory, storing or retrieving data, or controlling other equipment.
4. Write, analyze, review, and rewrite programs, using workflow chart and diagram, and applying knowledge of computer capabilities, subject matter, and symbolic logic.
5. Perform or direct revision, repair, or expansion of existing programs to increase operating efficiency or adapt to new requirements.

**EDUCATIONAL LEVEL BY TYPE**

- Bachelor’s: 78%
- Post-secondary Certificate: 11%
- High School Diploma or Equivalent: 6%
- Other: 5%

**TOP SKILL SETS**

- Computer and Electronics
- English Language
- Mathematics
- Customer and Personal Service
- Administration and Management

**EMPLOYMENT OVERVIEW**

- California, Ed.D., 2014
- Computer Programmers
- Web Developers
- Computer Occupations, All Other
- Computer Systems Analysts
- Applications Software Developers
- Systems Software Developers

- Orange County
- Annual Salary
- Projected Employment Growth

- California
- Annual Salary
- Projected Employment Growth

- United States
- Annual Salary
- Projected Employment Growth

* "High Growth" 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 US Department of Labor.

**RELATED COURSEWORK**

- Mobile Application Development Certificate Program
- Agile Project Management Certificate Program
- Introduction to Programming Using Java
- Embedded Systems Certificate Program