launch_code

LaunchCode Job Categories

For the majority of students, the next step after finishing LC101 is entering the LaunchCode Apprenticeship Program, which places candidates in a paid apprenticeship with a company to further hone their skills.

While you don't need to have a career path set just yet, understanding some your options and what those careers entail will help you better prepare as you complete the last two thirds of LC101.

- **Software Developer:**
  - o What: Build or improve software for commercial usage or company's internal operation.
  - o How: Analyze user needs, code and debug.
  - o Who: Enjoy logical thinking, know Java, C++, C#, .NET

- **Front-end Web Developer:**
  - o What: Build interactive web interface
  - o How: Discuss needs of website with senior developers and graphic designers, code, debug
  - o Who: Enjoy visual design, know HTML, CSS, Javascript

- **Back-end Web Developer**
  - o What: Build and maintain architecture and enable functionality of the web.
  - o How: Work with senior developer to discuss functionality, code, debug
  - o Who: Enjoy structured problem solving, know programming languages such as Java, .NET, PHP and Ruby on Rails, and database languages such as SQL and MongoDB.

- **Mobile Development**
  - o What: Develop front-end and back-end of mobile applications
  - o How: Discuss user needs with senior developer, code front-end and back-end, debug
  - o Who: Enjoy problem solving and visual design, knows Java, Objective-C, or Swift. Familiar with iOS or Android software development kit.

- o **Business Intelligence Developer**
  - o What: Support business decisions with data
  - o How: Work with senior developer to analyze business problem, design & maintain databases,

- **Quality Assurance Analyst**
  - o What: Test software to check if it meets user requirement. In entry level, mainly by interacting with the software as a user to ensure full functionality.
  - o How: Discuss user requirement and plan test cases with senior analyst, run test cases and search for bugs, document results and communicate findings.
  - o Who: Very reliable and detail-oriented. Knows basic level programming language such as Java, Python.

- **Product Manager**
  - o What: Own the strategy and development of a technical product
  - o How: Similar to Project Management but with more of a strategy/design component, working with developers to bring a product vision to life
  - o Who: Enjoy big picture ideas and detailed implementation, also managing people. Know basic programming to communicate with developers.

- **IT Project Manager**
  - o What: Lead teams and managing process to finish IT project within time and budget
  - o How: Understand client need, set goals, negotiate with stakeholders and use project management software
  - o Who: Enjoy managing project and working with people. Know basic programming, have project management experience.

- **IT Support Specialist**
  - o What: Troubleshoot software or hardware problems for users
  - o How: Help user describe problem, diagnose and solve problem. Setup new tech products.

extract data from databases and communicate effectively.
  o Who: Interested in data system and business impact, comfortable with some programming. Knows database language such as SQL and basic programming languages such as Python, Java.

- **Data Scientist**
  o What: Working to extract knowledge/insights from data in various forms
  o How: Build models, programs, visualizations, etc to process and display data
  o Who: People interested in data, particularly at a theoretical level. Like Python/R/SQL, and love solving problems.

  o Who: Past experience demonstrating passion for tech products and helping others

- **Network Administrator**
  o What: Maintain network operation in organization
  o How: Maintain servers, troubleshoot network problem, install new computers and software
  o Who: Past experience demonstrating passion for tech products and helping others.