**Salesforce Developer Syllabus**

|  |
| --- |
| **Performance Goals** |
| **Salesforce Developer Graduates will be able to:** |
| 1. Effectively develop customized solutions on the Salesforce platform to support critical business functions and meet project objectives and company goals. 2. Use coding best practices to customise solutions on the Salesforce platform, including:    1. Performing Salesforce declarative programming and Apex and lightning development.    2. Developing software integration solutions using Salesforce.com API framework, and 3rd party APIs. 3. Apply industry best practices, use methodologies, tools, documentation processes, and test procedures to problem solve and deliver complex projects. 4. Proactively and continuously upskill on the tools, technical and non-technical skills, to improve performance and stay current in the industry. 5. Effectively communicate and collaborate with internal and external stakeholders using a variety of platforms. |

|  |  |
| --- | --- |
| **Breakdown Moments** | |
| **Breakdown Moment** | **What do high performers do to face this challenge?** |
| **(Proficiency in technical skills)**  Technically proficient to manage the solution architecture which includes configuration, development, integration, and customization of Salesforce CRM environments. | 1. Demonstrate good understanding of the characteristics and behaviour of the Salesforce systems/products 2. Understand what needs to be customized 3. Determine how best to approach to the customized solution 4. Realize how much time they should spend trying to solve a technical problem independently before reaching out for help 5. Leverage and prioritize different sources of knowledge to find the best solution for their problems (e.g., online forums, colleagues, company-created resources, etc) |
| **(Time and project management)**  Effectively manage and prioritize different tasks to meet deadlines and deliver project on time | 1. Understand client needs at the onset of the project through detailed questioning 2. Prioritise tasks according to deadlines, importance, and length of time 3. Allocate focused time on work time (e.g. less interruptions by meetings or task hopping) 4. Realize amount of time needed to independently problem solve and when to ask for help 5. Understand what needs to be produced, learn about tools that will assist with output, and deliver project on time |
| **(Problem solving)**  Determine the best approach to solve a problem (e.g.: independent problem-solving, seeking support from colleagues or supervisors, etc.). | 1. Try to understand the problem even if s/he does not have a clear idea of how to do something. 2. Determine how to solve problems in a rational and systematic way 3. Open to trying new ways to solve a problem. 4. Research problems and self-learn new tools 5. Reach out to colleagues who may have faced the same challenge before. |
| **(New skills learning)**  Identifying opportunities for upskilling and learning a variety of new skills (e.g. technical, management, business, etc) while still effectively completing core duties. | 1. Create a plan on what new skills are important to learn to solve more complex problems and advance in their career 2. Develop a solid understanding of the industry they are working in, and know what business problems their company is trying to solve. 3. Identify areas in the company where they can grow in their career 4. Volunteer to do more complex tasks outside the scope of their role 5. Don't give up while learning complex things 6. Find opportunities to learn new skills outside of work hours (e.g. on slow days, after or before work, during breaks) |
| **(Communication)**  Communicate software requirements and system impacts in a timely, clear and easy-to-understand manner, with clients and other non-technical audiences | 1. Answer questions and communicate software requirements and findings to a non-technical audience 2. Ability to discuss the bigger picture of the data 3. Uses concise language to communicate complex information 4. Determine what information is valuable to the client |

# 

|  |
| --- |
| **Technical Syllabus Overview** |
| **PART 1: PROGRAMMING CONTENT**  **Unit 1: Introduction to Curriculum and Role**   * ROLE-1 Introduction to Curriculum * ROLE-2 Introduction to Role * ROLE-3 Effective Workplace Communication and Collaboration * ROLE-4 Staying Up to Date * ROLE-5 Problem Solving   **Unit 2: Programming Fundamentals**   * PROG-1 Welcome to Codecademy * PROG-2 Code Foundations * PROG-3 Learn the Command Line * PROG-4 Learn Git * PROG-5 Learn GitHub * PROG-6 Learn SCRUM * PROG unit assessment   **Unit 3: HTML and CSS**   * WEB-1 Learn HTML * WEB-2 Learn CSS * HTML and CSS unit assessment   **Unit 4: JavaScript**   * JS-1 Introduction to Javascript: Basic Data Types + Operators + Conditionals * JS-2 Javascript Functions, Scoping, and Program Flow * JS-3 Object Oriented Framing * JS-4 Asynchronous Javascript and Requests * JS-5 Javascript Unit Testing Using Mocha * JS unit assessment   **Team Project (Programming)** |
| **PART 2: SALESFORCE CONTENT**  **Introduction to Salesforce**   * Salesforce User Basic - Welcome to Salesforce * Salesforce Platform Basics * Platform Development Basics * Data Modeling   [**DEX 403 Declarative Development for Platform App Builders in Lightning Experience**](https://trailheadacademy.salesforce.com/classes/dex403-declarative-development-for-platform-app-builders-in-lightning-experience)  **Superbadge 1 -** [**Process automation Specialist**](https://trailhead.salesforce.com/en/content/learn/superbadges/superbadge_process_automation)  **Superbadge 2 -** [**App Customization Specialist**](https://trailhead.salesforce.com/en/content/learn/superbadges/superbadge_lightning_platform_app_builder)  [**DEX 450 Build Applications Programmatically on Salesforce Platform**](https://trailhead.salesforce.com/en/academy/classes/dex450-build-applications-programmatically-on-the-salesforce-platform/)  **Superbadge 3 -** [**Apex Specialist**](https://trailhead.salesforce.com/en/content/learn/superbadges/superbadge_apex)  **PD1 Trailmix:** [**Prepare for Your Salesforce Platform Developer I Credential**](https://trailhead.salesforce.com/en/users/strailhead/trailmixes/prepare-for-your-salesforce-platform-developer-i-credential)  *(selected courses to supplement your learning in DEX 403 and DEX 450)*   * Salesforce Flow * Data Management * Apex & .Net Basics * Database & .Ne Basics * Search Solution Basics * Platform Events Basics * Apex Testing * Developer Console Basics * Debug Logs * Lightning Web Components Basics * Lightning Experience Development * Forumulat and Validation * Asynchronous Apex |

|  |  |
| --- | --- |
| **Salesforce Certification** | |
| [**Salesforce Platform Developer 1**](https://trailhead.salesforce.com/credentials/platformdeveloperi) | Participation in Bootcamp will assist in preparation for certification.  Please click to view the [Exam Guide](https://trailhead.salesforce.com/help?article=Salesforce-Certified-Platform-Developer-I-Exam-Guide) |