

## IT PRACTICUM X LEARNING PATH PROPOSAL

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STUDENT NUMBER : 2013100618

PROGRAM: IT

### IDENTIFIED LEARNING MODULES

#### A. Accenture ATA

1. *AWS (Total Engagement Hours: 89 hours Total Credit Hours: 120 hours)*
  - a. Introduction to the AWS Management Console (1h)
  - b. Introduction to Cloud 101 (8h)
  - c. Cloud Support Associate (35h)
  - d. Application Developer (45h)

#### B. Required Learning Modules

1. Design Thinking Learning Module *(Total Engagement Hours: 15 hours Total Credit Hours: 45 hours)*
  - a. Learning Design Thinking: Lead Change in Your Organization by Turi McKinley (2h 8m)
  - b. Develop Your Creative Thinking and Innovation Skills Learning Path 8 courses (8h)
  - c. Develop Critical-Thinking, Decision-Making, and Problem-Solving Skills 6 courses (5h)
2. Project Management Learning Module *(Total Engagement Hours: 15 hours Total Credit Hours: 45 hours)*
  - a. Project Management Foundations by Bonnie Biafore (3h 20m)
  - b. Become an Agile Project Manager Learning Path 9 courses (12h)
3. Workplace Management Learning Module *(Total Engagement Hours: 15 hours Total credit Hours: 45 hours)*
  - a. Develop Your Communication Skills and Interpersonal Influence 9 courses (8h)
  - b. 5s Workplace Productivity by Gemba Academy (1h 36m)
  - c. Time Management Fundamentals by Dave Crenshaw (2h 53m)
  - d. Time Management: Working from Home by Dave Crenshaw (1h 25m)
  - e. Business Etiquette: Phone, Email, and Text by Suzanne Kaye (58m)

#### C. Specialization Learning Modules

1. Become a Raspberry Pi Developer *(Total Engagement Hours: 17 hours Total Credit Hours: 51 hours)*
  - a. Electronics Foundations: Fundamentals
  - b. Raspberry Pi Essential Training (2h 19m)
  - c. Electronics Foundations: Basic Circuits (4h 2m)

- d. Raspberry Pi: GPIO (3h 3m)
- e. Electronics Foundations: Semiconductor Devices (4h 8m)
- f. Raspberry Pi: Home Monitoring and Control (1h 29m)

2. Become an IT Security Specialist (Total Engagement Hours: 20 hours Total Credit Hours: 60 hours)

- a. IT security Foundations: Core Concepts (1h 35m)
- b. Cybersecurity Foundations (1h 59m)
- c. IT Security Foundations: Operating System Security (1h 38m)
- d. IT Security Foundations: Network Security (2h)
- e. Learning SSL/TLS (2h 24m)
- f. Cybersecurity with Cloud Computing (2h 27m)
- g. Learning Computer Forensics (2h 49m)
- h. Learning Vulnerability Management (23m)
- i. Learning Threat Modeling for Security Professionals (41m)
- j. Artificial Intelligence for Cybersecurity (1h 15m)
- k. Ethics in Information Security (57m)
- l. Soft skills for Information Security Professionals (1h 18m)

3. Become an Ethical Hacker (Total Engagement Hours: 30 hours Total Credit Hours: 90 hours)

- a. Ethical Hacking: Introduction to Ethical Hacking (1h 31m)
- b. Ethical Hacking: Footprinting and Reconnaissance (1h 42m)
- c. Ethical Hacking: Scanning Networks (1h 42m)
- d. Ethical Hacking: Enumeration (2h 2m)
- e. Ethical Hacking: Vulnerability Analysis (1h 26m)
- f. Ethical Hacking: System Hacking (1h 28m)
- g. Ethical Hacking: The Complete Malware Analysis Process (1h 48m)
- h. Ethical Hacking: Sniffers (1h 26m)
- i. Ethical Hacking: Social Engineering (1h 28m)
- j. Ethical Hacking: Denial of Service (1h 39m)
- k. Ethical Hacking: Session Hijacking (1h 13m)
- l. Ethical Hacking: Evading IDS, Firewalls, and Honeypots (2h 12m)
- m. Ethical Hacking: Hacking Web Servers and Web Applications (1h 26m)
- n. Ethical Hacking: Wireless Networks (1h 40m)
- o. Ethical Hacking: Mobile Devices and Platforms (1h 56m)
- p. Ethical Hacking: Hacking IoT Devices (35m)
- q. Ethical Hacking: Cryptography (1h 1m)
- r. Ethical Hacking: Cloud Computing (1h 52m)
- s. Ethical Hacking: SQL Injection (1h 39m)

4. Improve Your Application Security Testing Skills (Total Engagement Hours: 16 hours Total Credit Hours: 48 hours)
- a. Security Testing Essential Training (2h 48m)
  - b. Programming Foundations: Web Security (2h 17m)
  - c. Online Application Security Testing Essential Training (3h 19m)
  - d. Offline Application Security Testing Essential Training (3h 22m)
  - e. Learning the OWASP Top 10 (2018) (43m)
  - f. Programming Foundations: Secure Coding (1h 34m)
  - g. DevSecOps: Automated Security Testing (1h 35m)
  - h. DevSecOps: Continuous Application Security (45m)

**PREPARED BY:**



Renier Joseph B. Aguilar / 04-18-22  
Signature over Printed Name / Date

**APPROVED BY:**



Khristian G. Kikuchi 04.18.2022  
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