

BJ Dela Cruz, CISSP, CCSP, CSSLP

Master of Science, Computer Science, GPA 4.00, University of Hawaii at Manoa, May 2011
Bachelor of Science, Computer Science, GPA 3.85, University of Hawaii at Manoa, December 2008

[E-mail](#) | [LinkedIn](#) | [Website](#)

[Bitbucket](#) | [Coderbyte](#) | [Codesignal](#) | [Codewars](#) | [GitHub](#) | [Gists](#) | [Pluralsight](#) | [Stack Overflow](#)

BACKGROUND

Results-driven with 8+ years of industry experience in applying secure coding practices to software projects. Skilled in gathering requirements from customers, balancing multiple projects, and prioritizing tasks. Expert at improving application performance, remediating vulnerabilities in web applications, and reducing the attack surface in applications that use older technologies. Main interests are cloud computing, cybersecurity, developing applications for mobile devices and the web, and learning programming languages.

PROFESSIONAL EXPERIENCE

Bureau of the Fiscal Service <i>Information Technology Specialist (APPSW) (GS-2210)</i>	Parkersburg, West Virginia October 2019 – Present
NIC Hawaii , <i>Java Developer</i>	September 2015 – May 2016 October 2016 – October 2019
University of Hawaii , <i>Java Web Developer</i>	March 2014 – May 2015
Referentia Systems Incorporated , <i>Software Engineer</i>	August 2011 – December 2013

ACTIVE CERTIFICATIONS

[9] CompTIA Cybersecurity Analyst (CySA+)	August 12, 2020 - August 12, 2026
[8] CompTIA Security+	July 27, 2015 - August 12, 2026
[7] CompTIA Advanced Security Practitioner (CASP+)	May 25, 2017 - May 25, 2026
[6] CompTIA PenTest+	November 5, 2020 - May 25, 2026
[5] CompTIA Cloud+	August 20, 2015 - August 20, 2024
[4] Linux Professional Institute LPIC-1	September 8, 2018 - September 8, 2023
[3] (ISC)² Certified Cloud Security Professional	September 16, 2019 - September 30, 2022
[2] (ISC)² Certified Information Systems Security Professional	March 26, 2019 - March 31, 2022
[1] (ISC)² Certified Secure Software Lifecycle Professional	April 25, 2018 - April 30, 2021

LIFETIME CERTIFICATIONS

[18] PCAP - Certified Associate in Python Programming (PCAP-31-03)	December 6, 2020
[17] Microsoft Certified: Azure Fundamentals	November 23, 2020
[16] CompTIA Project+	September 21, 2020
[15] Android ATC Flutter Certified Application Developer (AFD-200)	July 11, 2020
[14] Oracle Certified Professional, Java EE 7 Application Developer	June 6, 2020
[13] Oracle Certified Professional, Java SE 11 Developer	June 29, 2019
[12] CompTIA Linux+ Powered by LPI	September 8, 2018
[11] Certificate of Cloud Security Knowledge (CCSKv4)	June 5, 2018
[10] Oracle Certified Expert, Java EE 6 Java Persistence API Developer	May 24, 2018
[9] CompTIA Server+	November 22, 2017

[8] Arcitura Certified Cloud Professional	June 23, 2017
[7] CompTIA Mobility+	January 4, 2016
[6] CompTIA Storage+ Powered by SNIA	September 30, 2015
[5] Android ATC Android Certified Application Developer (AND-401)	September 26, 2015
[4] Oracle Certified Professional, Java SE 8 Programmer	August 10, 2015
[3] Oracle Certified Professional, Java SE 7 Programmer	November 8, 2012
[2] Oracle Certified Master, Java SE 6 Developer	October 19, 2012
[1] Oracle Certified Professional, Java SE 6 Programmer	May 24, 2012

KATAS

Katas are programming exercises designed to help programmers improve their skills through practice and repetition. The table below shows the number of [completed katas](#) for a programming language.

C	6	Groovy	14	Julia	38	Scala	8
CoffeeScript	50	Haskell	6	Kotlin	12	Swift	18
Dart	12	Java	44	Python	246	TypeScript	17
Go	10	JavaScript	59	Rust	16		

COMPETITIONS

2nd Hawaii Annual Code Challenge

Honolulu, Hawaii

Team Captain

August 2017 – September 2017

My team developed a Spring web application for the Office of Hawaiian Affairs (OHA) that displays grant data in a filterable table and different types of charts, and also exports the data periodically to data.hawaii.gov.

The source code is hosted on [GitHub](#).

BOOK REVIEWS

[Mastering Android Application Development](#), ISBN 978-1-78588-422-1

October 2015

[Learning Android Application Testing](#), ISBN 978-1-78439-533-9

March 2015

[Gradle in Action](#), ISBN 978-1-61729-130-2

February 2014

INTERNSHIPS

Maui High Performance Computing Center

Kihei, Hawaii

Summer Intern

June 2010 – July 2010

I developed [C programs](#) that can be used to benchmark high performance computing systems. I benchmarked the systems that were at the center and presented the results to my supervisor Lance Terada and his team.

TRAINING

LinkedIn Learning ([Profile](#))

Python Parallel and Concurrent Programming Part 1

March 7, 2021

Learning CoffeeScript

February 15, 2021

Faster Python Code

February 6, 2021

Software Design: Code and Design Smells

January 31, 2021

Learning Julia

January 30, 2021

First Look: Rust

January 26, 2021

Go Essential Training	January 24, 2021
Vue.js: Building an Interface	January 6, 2021
Processing Text with Python Essential Training	January 3, 2021
Spring: Design Patterns	January 3, 2021
HTML5: Geolocation	January 1, 2021
Introduction to Quantum Cryptography	December 31, 2020
First Look: Python 3.9	December 30, 2020
Python: XML, JSON, and the Web	December 30, 2020
Unit Testing in Python	December 29, 2020
Learning Groovy	December 27, 2020
Design Patterns: Creational	December 26, 2020
TypeScript: Object-Oriented Programming	December 25, 2020
Learning TypeScript	December 24, 2020
Building RESTful APIs with Flask	December 23, 2020
Learning ECMAScript 6+ (ES6+)	December 22, 2020
Secure Coding in Java	December 22, 2020
Extending, Securing, and Dockerizing Spring Boot Microservices	December 20, 2020
Kotlin for Java Developers	December 20, 2020
Spring 5.0 and Spring Boot 2.0 New Features	December 19, 2020
Docker for Developers	December 18, 2020
Spring: Spring Cloud	December 7, 2020
Java Concurrency Troubleshooting: Latency and Throughput	December 6, 2020
Python: Advanced Design Patterns	December 5, 2020
Python: Design Patterns	December 5, 2020
Advanced Design Patterns: Design Principles	December 4, 2020
Secure Coding in Python	December 3, 2020
Building Tools with Python	December 1, 2020
Python: Decorators	December 1, 2020
Python Object-Oriented Programming	November 29, 2020
Advanced Python	November 28, 2020
Azure Active Directory: Basics	November 22, 2020
Exam Prep: Microsoft Azure Fundamentals (AZ-900)	November 21, 2020
CompTIA PenTest+ (PT0-001): 3 Select Your Attacks	November 3, 2020
OWASP Top 10: #1 Injection and #2 Broken Authentication	November 2, 2020
Penetration Testing: Advanced Web Testing	November 1, 2020
CompTIA PenTest+ (PT0-001): 5 Selecting Pen Testing Tools	October 13, 2020
CompTIA PenTest+ (PT0-001): 6 Using Scripting in Pen Testing	October 12, 2020
Penetration Testing Essential Training	October 12, 2020
CCSP Cert Prep: 1 Cloud Concepts, Architecture, and Design	September 9, 2020
Developing Secure Software	September 9, 2020
CISSP Cert Prep: 2 Asset Security	September 8, 2020
Programming Foundations: Web Security	September 8, 2020
Security Awareness: Social Engineering	September 7, 2020
Pluralsight (Profile)	
Leveraging Parallel Streams for Fast Data Processing in Java	February 28, 2021
Automate Web Application Scans with OWASP ZAP and Python	February 23, 2021
Swift Fundamentals	February 18, 2021
Scala: The Big Picture	February 13, 2021
Core Python: Advanced Flow Control	January 31, 2021
Building Reliable Flask Applications	January 29, 2021
Collection with PowerSploit	January 22, 2021
Collection with PowerUpSQL	January 22, 2021
Initial Access with the Bash Bunny	January 18, 2021

Privilege Escalation and Client Execution with MSFVenom	January 17, 2021
Initial Access with WiFi-Pumpkin	January 16, 2021
Initial Access with Luckystrike	January 15, 2021
Initial Access with Gophish	January 14, 2021
Technical Information Gathering with Maltego CE	January 13, 2021
Initial Access with King Phisher	January 12, 2021
Defense Evasion with Invoke-Obfuscation	January 11, 2021
Defense Evasion with Veil	January 10, 2021
Spring Framework: Versioning Spring Data REST APIs	January 9, 2021
Creating and Processing Web Forms with Flask	January 8, 2021
Vue.js: Big Picture	December 31, 2020
Python Best Practices for Code Quality	December 30, 2020
Flask: Getting Started	December 29, 2020
Creating and Using Generics in TypeScript	December 26, 2020
Creating and Using TypeScript Decorators	December 25, 2020
Object Oriented Programming with Kotlin	December 24, 2020
Spring Framework: Spring Expression Language (SpEL)	December 18, 2020
Securing Spring Data REST APIs	December 14, 2020
Spring Framework: Aspect Oriented Programming with Spring AOP	December 13, 2020
Spring Framework: Spring Boot Actuator	December 12, 2020
Spring Data REST: Getting Started	December 11, 2020
Documenting Spring Data Rest APIs with Swagger and Springfox	December 9, 2020
Securing Spring Applications Against Common Security Threats	December 9, 2020
Using H2 in Your Java Applications: Getting Started	December 7, 2020
Exploring Web Scraping with Python	December 4, 2020
Core Python: Hashing and More Collections	December 2, 2020
Getting Started with Docker	November 30, 2020
Core Python: Introspection	November 29, 2020
Ethical Hacking: SQL Injection	November 28, 2020
Core Python: Organizing Larger Programs	November 26, 2020
Core Python: Robust Resource and Error Handling	November 26, 2020
Core Python: Classes and Object-orientation	November 26, 2020
Core Python: Functions and Functional Programming	November 22, 2020
Microsoft Azure Pricing and Support Options	November 20, 2020
Microsoft Azure Security and Privacy Concepts	November 19, 2020
Microsoft Azure Services and Concepts	November 17, 2020
Core Python: Getting Started	November 14, 2020
Microsoft Azure Cloud Concepts	November 8, 2020
Security Awareness: Portable Data Protection and Destruction	November 8, 2020
Security Management	November 8, 2020
Web Application Penetration Testing: Insecure Error Handling	November 8, 2020
Internal Footprinting: Reconnaissance and Mapping	November 7, 2020
Maximizing Nmap for Security Auditing	November 7, 2020
Attacks, Threats, and Vulnerabilities for CompTIA Security+	November 6, 2020
Exploiting Host-based Vulnerabilities for CompTIA PenTest+	October 29, 2020
Web Application Penetration Testing: Information Gathering	October 29, 2020
OWASP Top 10: API Security Playbook	October 28, 2020
Ethical Hacking: Hacking the Internet of Things (IoT)	October 27, 2020
Results and Reporting for CompTIA PenTest+	October 25, 2020
Web Application Penetration Testing: Session Management Testing	October 25, 2020
Conducting Active Reconnaissance for CompTIA PenTest+	October 24, 2020
Credential Access with Mimikatz	October 23, 2020
Web Application Penetration Testing: Client-side Testing	October 23, 2020
Web Application Penetration Testing: Weak Cryptography	October 23, 2020

Getting Started with BeEF	October 22, 2020
Credential Access with Hashcat	October 20, 2020
Discovery with Kismet	October 20, 2020
Initial Access with Aircrack-ng	October 19, 2020
Credential Access with Cain & Abel	October 18, 2020
Credential Access with Responder	October 18, 2020
Credential Access with THC Hydra	October 18, 2020
People Information Gathering with the Social Engineering Toolkit (SET)	October 18, 2020
Technical Information Gathering with Recon-ng	October 18, 2020
Technical Information Gathering with theHarvester	October 18, 2020
Lateral Movement with Mimikatz	October 16, 2020
Credential Access with John the Ripper	October 15, 2020
Initial Access with sqlmap	October 14, 2020
Technical Weakness Identification with Nikto	October 14, 2020
Conducting Passive Reconnaissance for CompTIA PenTest+	October 11, 2020
Testing Security Controls and Detecting Vulnerabilities with Nmap	October 11, 2020
Ethical Hacking: Scanning Networks	October 4, 2020
Web Application Penetration Testing: Input Validation	October 4, 2020
Post-Exploit Tasks for CompTIA PenTest+	September 30, 2020
Penetrating Networks for CompTIA PenTest+	September 29, 2020
Information Gathering and Vulnerability Identification for CompTIA PenTest+	September 27, 2020
Performing Non-Technical Tests for CompTIA PenTest+	September 27, 2020
Testing Applications for CompTIA PenTest+	September 26, 2020
Metasploit: Getting Started	September 25, 2020
Project Procurements, Performance, and Change Management	September 17, 2020
Managing Project Communications and Risks	September 15, 2020
Defining Project Scope and Managing Resources	September 14, 2020
Developing Project Schedules and Budget	September 14, 2020
Beginner's Guide to Project Management	September 13, 2020
Information Systems Asset Protection: Monitoring	September 12, 2020
Business Continuity Management	September 11, 2020
Malicious Code and Threats	September 11, 2020
Cybersecurity Threats: Ransomware	September 6, 2020
Mutation Testing in Java with Pitest	September 6, 2020
Web Security and the OWASP Top 10: The Big Picture	September 6, 2020
Threat Modeling: The Big Picture	September 5, 2020
Getting Started with Data Loss Prevention	September 4, 2020
Security Management: The Big Picture	September 4, 2020
Cybersecurity Threats: Insider Threats	September 3, 2020
Communicating and Documenting Security Incidents	September 2, 2020
Incident Detection and Response: The Big Picture	September 1, 2020
Secure Network Design	September 1, 2020
PCI DSS: The State of Cardholder Data Attacks	August 31, 2020
PCI DSS: Securing Data, Systems, and Applications	August 30, 2020
Security Operations	August 30, 2020
Security for Hackers and Developers: Code Auditing	August 29, 2020
Security for Hackers and Developers: Fuzzing	August 29, 2020
Designing, Implementing, and Maintaining a Business Continuity Plan	August 28, 2020
Risk Management and Information Systems Control: IT Risk Assessment	August 27, 2020
Secure Software Development	August 26, 2020
Risk Management and Information Systems Control: Introduction to Risk	August 25, 2020
Secure Coding: Identifying and Mitigating XXE Vulnerabilities	August 24, 2020
Secure Coding: Preventing Insecure Deserialization	August 24, 2020
Secure Coding: Using Components with Known Vulnerabilities	August 24, 2020

Communications and Network Security	August 23, 2020
Software Development Security	August 23, 2020
Investigations and Incident Management	August 20, 2020
Maintain Data Security in the Cloud	August 20, 2020
Cryptography Application	August 19, 2020
Security Control Assessment	August 18, 2020
Security Controls and Control Frameworks	August 18, 2020
Introduction to Threat Intelligence	August 17, 2020
Personnel Security	August 17, 2020
Law, Ethics, and Security Compliance Management	August 16, 2020
Security Management: A Case Study	August 16, 2020

Coursera ([Profile](#))

University of Toronto

App Design and Development for iOS	November 14, 2020
iOS App Development Basics	November 14, 2020
Introduction to Swift Programming	November 14, 2020

Michigan State University

Business of Games and Entrepreneurship	December 18, 2016
Game Development for Modern Platforms	December 15, 2016
Principles of Game Design	November 13, 2016
Introduction to Game Development	August 18, 2016

The Hong Kong University of Science and Technology

Front-End JavaScript Frameworks: AngularJS	July 28, 2016
Server-side Development with NodeJS	July 6, 2016
HTML, CSS, and JavaScript	July 5, 2016
Front-End Web UI Frameworks and Tools	July 4, 2016
Multiplatform Mobile App Development with Web Technologies	July 3, 2016

University of Maryland, College Park

Cryptography	December 29, 2015
Hardware Security	December 29, 2015
Software Security	November 21, 2015
Usable Security	November 21, 2015
Programming Mobile Applications for Android Handheld Systems	April 29, 2014

Vanderbilt University

Programming Cloud Services for Android Handheld Systems	September 30, 2014
Programming Mobile Services for Android Handheld Systems	July 29, 2014