

# BJ Dela Cruz, CISSP/CCSP/CSSLP/CCSK

Master of Science, Computer Science, GPA 4.00 / 4.00, University of Hawaii at Manoa, May 2011

Bachelor of Science, Computer Science, GPA 3.85 / 4.00, University of Hawaii at Manoa, December 2008

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

[Bitbucket](#) | [Coderbyte](#) | [Codesignal](#) | [Codewars](#) | [GitHub](#) | [Gists](#) | [LeetCode](#) | Pluralsight: ([Individual](#) | [Team](#)) | [Stack Overflow](#)

## Background

Customer-centric servant leader with 10+ years of industry experience in applying secure software development best practices. Skilled in gathering functional and non-functional requirements from stakeholders as well as prioritizing tasks for multiple projects. Expert at reducing technical debt through code refactoring, remediating security vulnerabilities, and resolving application performance issues. Main interests include cloud computing, cybersecurity, generative AI, and developing applications for mobile devices and the web.

## Professional Experiences

*Solutions Architect, Bureau of the Fiscal Service*, Puyallup, Washington. January 19, 2025 – Present

**Information and Security Services (ISS)**, *Business Applications and Solutions Division*.

**Series:** 2210 | **Pay Schedule:** GS | **Grade:** 14 | **Step:** 1 | **Weekly Hours:** 40

*Lead IT Specialist (APPSW), Bureau of the Fiscal Service*, Parkersburg, West Virginia. July 4, 2021 – January 18, 2025

**Information and Security Services (ISS)**, *Business Applications and Solutions Division*, Software Development Branch 3.

**Series:** 2210 | **Pay Schedule:** GS | **Grade:** 13 | **Step:** 4 | **Weekly Hours:** 40

♦ **Technologies:** [Angular](#), [Bamboo](#), [Confluence](#), [Git](#), [Gradle](#), [IntelliJ IDEA](#), [Java](#), [Jira](#), [Microsoft Azure](#), [Spring Boot](#)

♦ **Accomplishments:**

- ✓ Guided a team of developers to build, test, and deploy [Treasury Hunt](#)® to an App Service instance in Microsoft Azure
- ✓ Coordinated the integration of [Common Approach to Identity Assurance](#) for two internal web applications
- ✓ Transferred terabytes of retired bond images in TIFF format from IBM Db2 to Microsoft Azure Blob Storage
- ✓ Coordinated application deployments to proactively patch against vulnerabilities such as Log4Shell and Spring4Shell
- ✓ Acquired licenses for [IBM ADDI](#), which assists developers with discovering dependencies in applications running on z/OS®
- ✓ Coordinated the implementation of security controls to restrict access to sensitive data (PII) in Microsoft Azure Blob Storage
- ✓ Oversaw the development of search functions for securities in a proof-of-concept Spring Boot web application
- ✓ Conducted lunch and learn sessions as well as live training to upskill developers and assist them in their career growth
- ✓ Coordinated the reconfiguration of on-premises network appliances with the Enhanced Network Services (ENS) team to:
  - 🔧 Reduce packet loss on the network path from internal end users' devices to an on-premises Spring Boot web application
  - 🔧 Forward only legitimate external web traffic to a Spring Boot web application that is hosted in Microsoft Azure
  - 🔧 Prevent external directory traversal attacks from reaching a cloud-hosted, public-facing Spring Boot web application
- ✓ Created a Standard Operating Procedure (SOP) for:
  - 📄 Deploying cloud resources to Microsoft Azure using bicep scripts ([13.0.6.335](#))
  - 📄 BASD Azure Cloud Space (BACS) team members to acquire time-bound elevated privileges in Microsoft Azure ([13.0.6.336](#))

♦ **Recognitions:**

- 🏆 Overall rating of Outstanding for calendar years 2021, 2022, 2023, and 2024<sup>1</sup>
- 🏆 Recipient of the following awards from ISS leadership for calendar year 2022:
  - ★ [Breakthrough Player](#): An individual who has worked for 5 years or less and made a positive impact in the bureau
  - ★ [Customer Centric MVP](#): A flexible, responsive, service-minded individual who recognizes the urgency of ISS's mission
- 🏆 Received cash awards for the following achievements:
  - ★ September 8, 2024: Provided outstanding support for Government Securities Regulations Staff's [large position report call](#)
  - ★ July 17, 2022: Built a DevSecOps pipeline for new web applications that will be deployed to Microsoft Azure
  - ★ July 17, 2022: Coordinated remediation efforts for many Spring web applications

*IT Specialist (APPSW), Bureau of the Fiscal Service*, Parkersburg, West Virginia. October 27, 2019 – July 3, 2021

**Information and Security Services (ISS)**, *Business Applications and Solutions Division*, Software Development Branch 2.

**Series:** 2210 | **Pay Schedule:** GS | **Grade:** 12 | **Step:** 3 | **Weekly Hours:** 40

♦ **Technologies:** [Angular](#), [Bamboo](#), [Confluence](#), [Git](#), [Gradle](#), [IntelliJ IDEA](#), [Java](#), [Jira](#), [Spring Boot](#), [Struts](#)

♦ **Accomplishments:**

- 📄 Created an SOP that establishes a new code review process for BASD development teams ([13.0.4.17](#))

♦ **Recognitions:**

- 🏆 Received a cash award on April 12, 2021 for exceeding the turn-around time for bug fixes for a legacy Struts web application
- 🏆 Awarded a quality step increase (QSI) to step 3, effective March 14, 2021
- 🏆 Overall rating of Outstanding for calendar year 2020<sup>2</sup>

<sup>1</sup>Copy of appraisal with final summary rating for each calendar year available upon request

<sup>2</sup>Copy of appraisal with final summary rating for IT Specialist (APPSW) position available upon request

Java Developer, **NIC Hawaii**, Honolulu, Hawaii.

September 3, 2015 – May 16, 2016 | October 24, 2016 – October 4, 2019

Developed Spring web applications for State of Hawaii government agencies: [Special Use Permits](#), [HMOAB Online Certification](#), [Mauna Kea Recreation Area Permits](#), [Payment Platform](#), [Solar Water Heater Variance Request](#), [Special Invoice Payment System](#).

**Technologies:** [Confluence](#), [Git](#), [Gradle](#), [Java](#), [Jira Software](#), [Spring](#)

Java Web Developer, **University of Hawaii**, Honolulu, Hawaii.

March 24, 2014 – May 2015

Established an issue-tracking and documentation process for a course management and collaboration system called [Laulima](#) and coordinated the upgrade process for the system with database and system administrators.

Software Engineer, **Referentia Systems Incorporated**, Honolulu, Hawaii.

August 8, 2011 – December 2013

Created reports and dashboards in the [LiveAction](#) product that display device, interface, and protocol data, and added support for configuring quality of service (QoS) on Cisco devices. **Technologies:** [Java](#), [Swing API](#)

Level III Intern, **Maui High Performance Computing Center**, Kihei, Hawaii.

June 1, 2010 – July 31, 2010

During two-month internship, wrote C programs that can be used to benchmark high performance computing systems: [source code](#)

Active Certifications

|      |  |  |
|------|--|--|
| [34] | <a href="#">Certified Argo Project Associate</a>                                   | February 27, 2025 – February 28, 2027        |
| [33] | <a href="#">Palo Alto Networks Certified Cybersecurity Apprentice</a>              | February 2, 2025 – February 2, 2027          |
| [32] | <a href="#">FinOps Certified Practitioner</a>                                      | January 26, 2025 – January 26, 2027          |
| [31] | <a href="#">Certified Associate in Software Testing (CAST)</a>                     | December 7, 2024 – December 7, 2027          |
| [30] | <a href="#">Software Development Skills Foundation (Python)</a>                    | December 7, 2024 – December 7, 2029          |
| [29] | <a href="#">Tencent Cloud Practitioner</a>   | October 9, 2024 – October 9, 2026            |
| [28] | <a href="#">HashiCorp Certified: Terraform Associate (003)</a>                     | October 4, 2024 – October 4, 2026            |
|      | <a href="#">HashiCorp Certified: Terraform Associate (002)</a>                     | <b>November 26, 2022 – November 25, 2024</b> |
| [27] | <a href="#">Alibaba Cloud Certified Associate Cloud Computing</a>                  | September 20, 2024 – September 20, 2026      |
| [26] | <a href="#">Oracle Cloud Infrastructure 2024 Foundations Associate</a>             | September 8, 2024 – September 8, 2026        |
| [25] | <a href="#">Prometheus Certified Associate</a>                                     | August 10, 2024 – August 11, 2026            |
| [24] | <a href="#">Oracle Cloud Infrastructure 2024 Generative AI Professional</a>        | July 11, 2024 – July 11, 2026                |
| [23] | <a href="#">CompTIA Network+ ce</a>  | May 31, 2024 – May 25, 2029                  |
| [22] | <a href="#">Kubernetes and Cloud Native Security Associate</a>                     | March 31, 2024 – April 1, 2027               |
| [21] | <a href="#">CompTIA DataSys+ ce</a>  | February 29, 2024 – February 28, 2030        |
| [20] | <a href="#">Kubernetes and Cloud Native Associate</a>                              | February 11, 2024 – February 11, 2027        |
| [19] | <a href="#">Splunk Core Certified Power User</a>                                   | July 20, 2023 – July 20, 2026                |
| [18] | <a href="#">Splunk Core Certified User</a>   | July 13, 2023 – July 20, 2026                |
| [17] | <a href="#">IASSC® Certified Lean Six Sigma Yellow Belt™</a>                       | May 19, 2023 – May 19, 2026                  |
| [16] | <a href="#">Google Cloud Certified – Cloud Digital Leader</a>                      | April 3, 2023 – April 3, 2026                |
| [15] | <a href="#">AWS Certified Developer – Associate (DVA-C01)</a>                      | February 22, 2023 – February 22, 2026        |
| [14] | <a href="#">Linux Foundation Certified IT Associate (LFCA)</a>                     | December 30, 2022 – December 30, 2025        |
| [13] | <a href="#">CompTIA Data+ ce</a>   | October 21, 2022 – October 21, 2028          |
| [12] | <a href="#">AWS Certified Cloud Professional (CLF-C01)</a>                         | September 23, 2022 – February 22, 2026       |
| [11] | <a href="#">(ISC)² Certified in Cybersecurity (CC)</a>                             | September 2, 2022 – September 30, 2025       |
| [10] | <a href="#">(ISC)² Systems Security Certified Practitioner (SSCP)</a>              | August 1, 2021 – July 31, 2027               |
| [9]  | <a href="#">CompTIA PenTest+ ce</a>  | November 5, 2020 – May 25, 2029              |
| [8]  | <a href="#">CompTIA Cybersecurity Analyst (CySA+) ce</a>                           | August 12, 2020 – May 25, 2029               |
| [7]  | <a href="#">(ISC)² Certified Cloud Security Professional (CCSP)</a>                | September 16, 2019 – September 30, 2025      |
| [6]  | <a href="#">(ISC)² Certified Information Systems Security Professional (CISSP)</a> | March 26, 2019 – March 31, 2027              |
| [5]  | <a href="#">LPIC-1 Certification</a>   | September 8, 2018 – August 14, 2025          |
| [4]  | <a href="#">(ISC)² Certified Secure Software Lifecycle Professional (CSSLP)</a>    | April 25, 2018 – December 31, 2026           |
| [3]  | <a href="#">CompTIA SecurityX ce</a>   | May 25, 2017 – May 25, 2029                  |
| [2]  | <a href="#">CompTIA Cloud+ ce</a>  | August 20, 2015 – August 20, 2030            |
| [1]  | <a href="#">CompTIA Security+ ce</a>   | July 27, 2015 – May 25, 2029                 |

Applied Skills

|     |   |                    |
|-----|---|--------------------|
| [1] | <a href="#">Secure storage for Azure Files and Azure Blob Storage</a> | September 26, 2024 |
|-----|---|--------------------|

Lifetime Certifications

|      |  |                |
|------|--|----------------|
| [94] | <a href="#">SC107: Pattern Matching with Regular Expressions</a> | April 25, 2025 |
| [93] | <a href="#">SC101: Open Data Formats YAML</a>                    | April 21, 2025 |

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|------|---|-------------------|
| [92] | PCED™ – Certified Entry-Level Data Analyst with Python                              | April 13, 2025    |
| [91] | CompTIA IT Fundamentals (ITF+)  | March 31, 2025    |
| [90] | CompTIA Tech+   | March 31, 2025    |
| [89] | Critical Career Skills – Generative AI Foundations                                  | January 16, 2025  |
| [88] | SC102: Source Control Management with Git   | January 9, 2025   |
| [87] | Software DevSkills JavaScript Foundation  | November 24, 2024 |
| [86] | Software Development Skills Essentials – Intro to Web Programming                   | November 23, 2024 |
| [85] | Certified Junior JavaScript Developer   | October 28, 2024  |
| [84] | Open Source Essentials Certificate  | October 27, 2024  |
| [83] | IT Specialist – HTML5 Application Development                                       | October 17, 2024  |
| [82] | Software Development Skills Foundation (Java)                                       | October 17, 2024  |
| [81] | Certificate of Cloud Security Knowledge (CCSK) v5                                   | September 7, 2024 |
| [80] | IT Specialist – HTML and CSS  | September 2, 2024 |
| [79] | IT Specialist – JavaScript  | August 21, 2024   |
| [78] | IT Specialist – Python  | August 21, 2024   |
| [77] | WDE™ – Certified Entry-Level Web Developer (WDE-40-01)                              | August 21, 2024   |
| [76] | IT Specialist – Software Development  | July 25, 2024     |
| [75] | Cisco Certified Support Technician Cybersecurity                                    | July 4, 2024      |
| [74] | IT Specialist – Databases   | July 4, 2024      |
| [73] | Cisco Certified Support Technician Networking                                       | June 22, 2024     |
| [72] | IT Specialist – Networking  | June 22, 2024     |
| [71] | IT Specialist – Network Security  | April 5, 2024     |
| [70] | IT Specialist – Cloud Computing   | April 4, 2024     |
| [69] | IT Specialist – Cybersecurity   | March 31, 2024    |
| [68] | IT Specialist – Java  | March 31, 2024    |
| [67] | Microsoft Office Specialist: PowerPoint Associate (Microsoft 365 Apps)              | December 29, 2023 |
| [66] | Microsoft Office Specialist: Excel Expert (Microsoft 365 Apps)                      | December 12, 2023 |
| [65] | Microsoft Office Specialist: Expert (Microsoft 365 Apps)                            | December 12, 2023 |
| [64] | Microsoft Office Specialist: Word Expert (Microsoft 365 Apps)                       | December 12, 2023 |
| [63] | Microsoft Office Specialist: Associate (Microsoft 365 Apps)                         | December 1, 2023  |
| [62] | Microsoft Office Specialist: Excel Associate (Microsoft 365 Apps)                   | December 1, 2023  |
| [61] | Microsoft Office Specialist: Word Associate (Microsoft 365 Apps)                    | December 1, 2023  |
| [60] | Arcitura Certified Cybersecurity Specialist   | June 29, 2023     |
| [59] | Security Essentials Certificate   | April 21, 2023    |
| [58] | Microsoft Office Specialist: Microsoft Word Expert (Office 2019)                    | April 15, 2023    |
| [57] | Microsoft Office Specialist: Expert (Office 2019)                                   | March 31, 2023    |
| [56] | Microsoft Office Specialist: Microsoft Access Expert (Office 2019)                  | March 31, 2023    |
| [55] | Microsoft Office Specialist: Microsoft Excel Expert (Office 2019)                   | March 31, 2023    |
| [54] | Microsoft Office Specialist: Word Associate (Office 2019)                           | February 2, 2023  |
| [53] | Microsoft Office Specialist: Associate (Office 2019)                                | January 27, 2023  |
| [52] | Microsoft Office Specialist: Outlook Associate (Office 2019)                        | January 27, 2023  |
| [51] | Microsoft Office Specialist: PowerPoint Associate (Office 2019)                     | January 20, 2023  |
| [50] | Microsoft Office Specialist: Excel Associate (Office 2019)                          | January 13, 2023  |
| [49] | CIW Web Foundations Associate (1D0-610)   | December 30, 2022 |
| [48] | CIW Advanced HTML5 & CSS3 Specialist (1D0-720)                                      | December 26, 2022 |
| [47] | CIW Web Security Professional (1D0-671)   | December 20, 2022 |
| [46] | Web Development Essentials Certificate  | December 13, 2022 |
| [45] | International Institute of Business Analysis™ Certificate in Cybersecurity Analysis | December 12, 2022 |
| [44] | Linux Essentials Certificate  | November 4, 2022  |
| [43] | CompTIA Cloud Essentials+   | October 27, 2022  |
| [42] | Android ATC Android Certified Trainer (AND-400)                                     | September 9, 2022 |
| [41] | Lean Six Sigma Black Belt Certification (The Council for Six Sigma Certification)   | September 8, 2022 |
| [40] | Android ATC Android Certified Application Engineer (AND-802   AND-803)              | July 15, 2022     |
| [39] | Android ATC Android Certified Application Developer (AND-X01)                       | July 1, 2022      |
| [38] | Oracle Certified Foundations Associate, Database                                    | June 20, 2022     |
| [37] | Java Certified Foundations Associate  | May 24, 2022      |
| [36] | Oracle Certified Professional: Java SE 17 Developer                                 | May 24, 2022      |
| [35] | Spring Certified Professional 2022 (EDU-1202)                                       | May 20, 2022      |
| [34] | CPA – C++ Certified Associate Programmer (CPA-21-02)                                | May 6, 2022       |
| [33] | Lean Six Sigma Green Belt Certification (The Council for Six Sigma Certification)   | April 22, 2022    |
| [32] | CLA – C Certified Associate Programmer (CLA-11-03)                                  | March 31, 2022    |
| [31] | Lean Six Sigma Yellow Belt Certification (The Council for Six Sigma Certification)  | March 31, 2022    |
| [30] | IASSC® Certified Lean Practitioner™   | March 31, 2022    |

|      |   |                    |
|------|---|--------------------|
| [29] | <a href="#">Lean Six Sigma White Belt Certification (The Council for Six Sigma Certification)</a> | February 19, 2022  |
| [28] | <a href="#">Microsoft Certified: Power Platform Fundamentals</a>                                  | February 2, 2022   |
| [27] | <a href="#">CPE – C++ Certified Entry-Level Programmer (CPE-20-01)</a>                            | December 30, 2021  |
| [26] | <a href="#">CLE – C Certified Entry-Level Programmer (CLE-10-01)</a>                              | December 17, 2021  |
| [25] | <a href="#">EXIN Secure Programming Foundation</a>  | December 11, 2021  |
| [24] | <a href="#">JSE™ – Certified Entry-Level JavaScript Programmer (JSE-40-01)</a>                    | December 4, 2021   |
| [23] | <a href="#">Microsoft Certified: Security, Compliance, and Identity Fundamentals</a>              | December 3, 2021   |
| [22] | <a href="#">Microsoft 365 Certified: Fundamentals</a>   | November 11, 2021  |
| [21] | <a href="#">Microsoft Certified: Azure AI Fundamentals</a>  | November 11, 2021  |
| [20] | <a href="#">Microsoft Certified: Azure Data Fundamentals</a>                                      | October 8, 2021    |
| [19] | <a href="#">ISTQB® Certified Tester Foundation Level (CTFL)</a>                                   | August 28, 2021    |
| [18] | <a href="#">PCAP – Certified Associate in Python Programming (PCAP-31-03)</a>                     | December 6, 2020   |
| [17] | <a href="#">Microsoft Certified: Azure Fundamentals</a>   | November 23, 2020  |
| [16] | <a href="#">CompTIA Project+</a>  | September 21, 2020 |
| [15] | <a href="#">Android ATC Flutter Certified Application Developer (AFD-200)</a>                     | July 11, 2020      |
| [14] | <a href="#">Oracle Certified Professional, Java EE 7 Application Developer</a>                    | June 6, 2020       |
| [13] | <a href="#">Oracle Certified Professional: Java SE 11 Developer</a>                               | June 29, 2019      |
| [12] | <a href="#">CompTIA Linux+ Powered by LPI</a>   | September 8, 2018  |
| [11] | <a href="#">Certificate of Cloud Security Knowledge (CCSK) v4</a>                                 | June 5, 2018       |
| [10] | <a href="#">Oracle Certified Expert, Java EE 6 Java Persistence API Developer</a>                 | May 24, 2018       |
| [9]  | <a href="#">CompTIA Server+</a>   | November 22, 2017  |
| [8]  | <a href="#">Arcitura Certified Cloud Professional</a>   | June 23, 2017      |
| [7]  | <a href="#">CompTIA Mobility+</a>   | January 4, 2016    |
| [6]  | <a href="#">CompTIA Storage+ Powered by SNIA</a>  | September 30, 2015 |
| [5]  | <a href="#">Android ATC Android Certified Application Developer (AND-401)</a>                     | September 26, 2015 |
| [4]  | <a href="#">Oracle Certified Professional, Java SE 8 Programmer</a>                               | August 10, 2015    |
| [3]  | <a href="#">Oracle Certified Professional, Java SE 7 Programmer</a>                               | November 8, 2012   |
| [2]  | <a href="#">Oracle Certified Master, Java SE 6 Developer</a>                                      | October 19, 2012   |
| [1]  | <a href="#">Oracle Certified Professional, Java SE 6 Programmer</a>                               | May 24, 2012       |

## Contributions

*Zero Trust Training (ZTT) Contributor*, **Cloud Security Alliance**. November 13, 2023  
Contributed 30 hours to review over 100 exam items purposed for the Certificate of Competence in Zero Trust (CCZT).  
 [CCZT Contributors](#)  [Exam Item Reviewer](#)  [Credly Badge](#)

*Participant*, **2<sup>nd</sup> Hawaii Annual Code Challenge**, Honolulu, Hawaii. August 2017 – September 2017  
Developed a Spring web application for the Office of Hawaiian Affairs (OHA) that exports grant data to [Hawaii Open Data](#) and displays the data in charts and a filterable table: [source code](#)

*Book Reviewer*, **Packt Publishing**.

|     |  |               |
|-----|--|---------------|
| [3] | <a href="#">Mastering Android Application Development</a> , ISBN 978-1-78588-422-1 | October 2015  |
| [2] | <a href="#">Learning Android Application Testing</a> , ISBN 978-1-78439-533-9      | March 2015    |
| [1] | <a href="#">Gradle in Action</a> , ISBN 978-1-61729-130-2                          | February 2014 |

## Projects

### Android

- [Easter Calculator](#) calculates the date of Easter Sunday for a given year: [source code](#) | [library](#)
- [Sum of Primes](#) generates lists of consecutive prime numbers that sum to a positive integer: [source code](#)
- [Tic-Tac-Toe](#) is a game in which two players take turns marking spaces in a square grid with Xs and Os. The first player to successfully place marks across an entire diagonal, horizontal, or vertical row wins: [source code](#) | [library](#)

### Cloud Computing

- [Airplane Spotter](#) leverages Azure AI Custom Vision to classify aircraft in images as a Boeing 787 or an Airbus A350: [source code](#)
- [Airport Destinations](#) queries Oracle REST Data Services (ORDS) and then maps destinations served by selected airports. An AWS Lambda function queries an [API](#) for flight schedules twice daily and then updates the database in Oracle APEX: [source code](#)
- [Chamorro Dictionary Admin Console](#) is a Java command-line interface (CLI) application that can be configured to use Azure SQL or Amazon DynamoDB as the backend database. Resources are deployed to AWS and Microsoft Azure using Terraform.
- [Oracle Autonomous Database Example](#) demonstrates how to connect to an Oracle Autonomous Database (ADB) instance using mutual Transport Layer Security (mTLS) authentication from a Java CLI application and a Python-based AWS Lambda function.
- [Serverless Applications](#) is a collection of Python code that can be deployed to multiple cloud service providers using Terraform.



- [Simple Calculator](#) is a basic calculator that was developed using HTML and TypeScript, and deployed to an Amazon S3 bucket as a static website using Terraform. The Makefile can be used to build an image with Apache httpd to host the website: [source code](#)
- Java**
- [Advent of Code](#) is an annual collection of Christmas-themed code challenges that follow an Advent calendar. The solutions for 2024 are written in Java.
- [Blackjack](#) is a JavaFX desktop game that uses the Spring Framework for dependency injection and TestFX for integration testing.
- [Chamorro Dictionary](#) ([source code](#)) is a Spring Boot web application that fetches information about Chamorro words from an [API](#) ([source code](#)) that was developed using Spring Data JPA and Spring Data REST.
- [Chamorro Language Reference](#) is a Swing desktop application in which a user can lookup and modify Chamorro words that are stored in an H2 database. MigLayout is used to lay out all the user interface (UI) components, including a searchable table.
- [dev-bjdelacruz-commons](#) is a library that contains custom Swing UI components and utility classes.
- [Flight Display](#) is a JavaFX desktop application that displays information about flights arriving into or departing from an airport on a board similar to a [flight information display system](#). Flight schedules for airports are fetched from the [AirLabs Data API](#).
- [Hex Editor](#) is a JavaFX desktop application that allows a user to change bits in a file up to a maximum size of 2.14 gigabytes, the highest value that a 32-bit signed integer can represent. The user can also view a file's hash values and also insert bytes ([demo](#)).
- [JLPT Word List](#) is a Swing desktop application that retrieves information about Japanese words from a local SQLite database or a remote server on which the database resides.
- [OCMJD Bodgitt & Scarper](#) is a Swing desktop application that was developed in 2012 as part of the requirements to fulfill the [Oracle Certified Master Java SE 6 Developer](#) certification. The application was upgraded in June 2024 to use Java 22 and JUnit 5.
- [Primes API](#) ([source code](#)) is a Spring Boot web application that generates prime numbers for web clients. The bundled mini-game demonstrates how to use the API. The mini-game was developed using Tailwind CSS and pure JavaScript.
- [UdeMail](#) is a JavaFX desktop email client that uses the Jakarta Mail API and allows a user to view emails, download attachments, send emails with attachments, and add multiple accounts. The Spring Framework is used for dependency injection.
- [Wordle](#) is a JavaFX desktop game in which a player has six attempts to guess a five-letter word. Virtual threads are used to retrieve words, definitions, and parts of speech from [WordsAPI](#). The Spring Framework is used for dependency injection.
- Low Code (Oracle APEX)**
- [Chamorro Dictionary](#) is a public-facing web application that was built simply by uploading a CSV file containing Chamorro words along with corresponding English meanings. User authentication was added so that administrators can add, modify, or remove entries.
- Python (Flask)**
- [Password Checker](#) is a tool that ethical hackers can use to validate whether a computed MD5 or SHA256 hash of a password they acquired has been leaked. It uses the [rockyou.txt](#) wordlist and wordlists from [CrackStation](#): [source code](#)
- [Weather Now!](#) leverages an [API](#) from OpenWeather to fetch the latest weather data for a geographic location and the GPT-4o model from [OpenAI](#) to generate a fun response to the user: [source code](#)
- Unity**
- [Super Sparty Bros.](#) is a fun 2D platform game that can be played in a web browser: [source code](#)

Katas

A kata (かた) is a small coding exercise or challenge that is designed to help software developers improve their skills.

|              |    |            |     |        |     |            |       |
|--------------|----|------------|-----|--------|-----|------------|-------|
| C / C++      | 8  | Groovy     | 14  | Julia  | 48  | Rust       | 26    |
| CoffeeScript | 70 | Haskell    | 8   | Kotlin | 12  | Scala      | 10    |
| Dart         | 20 | Java       | 103 | Python | 704 | Swift      | 20    |
| Go           | 10 | JavaScript | 288 | Ruby   | 62  | TypeScript | 54    |
| Total        |    |            |     |        |     |            | 1,457 |

Community Service

Holy Rosary Leader, **St. Francis Xavier Catholic Church**, Parkersburg, West Virginia. July 2020 – July 2023  
Leading the congregation in praying the mysteries of the Holy Rosary half an hour before Sunday Mass once a month.

Training

A Cloud Guru: 13 Courses

|  |                   |
|--|-------------------|
| YAML Essentials                                      | April 16, 2025    |
| Regular Expressions for the Cloud Engineer Deep Dive | April 15, 2025    |
| Introduction to Azure Virtual Desktop                | January 31, 2025  |
| FinOps Foundations                                   | January 25, 2025  |
| Cloud Security Fundamentals                          | January 3, 2025   |
| Secure Your App with Azure App Service Environment   | January 3, 2025   |
| Introduction to JavaScript                           | November 22, 2024 |
| Generative AI Foundations for Cloud                  | November 9, 2024  |

|   |                  |
|---|------------------|
| Hands-On Introduction to Azure Files                | November 4, 2024 |
| Intro to Serverless on Azure                        | October 30, 2024 |
| Serverless Concepts                                 | October 29, 2024 |
| Optimizing Azure Functions for Performance and Cost | October 28, 2024 |
| Serverless Security Principles                      | October 27, 2024 |

#### Coursera: 25 courses

|   |                    |
|---|--------------------|
| Mastering Cloud FinOps, <i>Board Infinity</i> .   | February 7, 2025   |
| Cloud FinOps Strategies, <i>Board Infinity</i> .  | January 28, 2025   |
| Fundamentals of Cloud FinOps, <i>Board Infinity</i> .   | January 26, 2025   |
| Introduction to Artificial Intelligence (AI), <i>IBM</i> .  | January 1, 2025    |
| Generative AI and LLMs: Architecture and Data Preparation, <i>IBM</i> .   | December 27, 2024  |
| Tencent Cloud Practitioner, <i>Tencent Cloud</i> .  | September 28, 2024 |
| App Design and Development for iOS, <i>University of Toronto</i> .  | November 14, 2020  |
| iOS App Development Basics, <i>University of Toronto</i> .  | November 14, 2020  |
| Introduction to Swift Programming, <i>University of Toronto</i> .   | November 14, 2020  |
| Business of Games and Entrepreneurship, <i>Michigan State University</i> .  | December 18, 2016  |
| Game Development for Modern Platforms, <i>Michigan State University</i> .   | December 15, 2016  |
| Principles of Game Design, <i>Michigan State University</i> .   | November 13, 2016  |
| Introduction to Game Development, <i>Michigan State University</i> .  | August 18, 2016    |
| Front-End JavaScript Frameworks: <i>AngularJS</i> , <i>The Hong Kong University of Science and Technology (HKUST)</i> . | July 28, 2016      |
| Server-side Development with NodeJS, <i>HKUST</i> .   | July 6, 2016       |
| HTML, CSS, and JavaScript, <i>HKUST</i> .   | July 5, 2016       |
| Front-End Web UI Frameworks and Tools, <i>HKUST</i> .   | July 4, 2016       |
| Multiplatform Mobile App Development with Web Technologies, <i>HKUST</i> .  | July 3, 2016       |
| Cryptography, <i>University of Maryland, College Park</i> .   | December 29, 2015  |
| Hardware Security, <i>University of Maryland, College Park</i> .  | December 29, 2015  |
| Software Security, <i>University of Maryland, College Park</i> .  | November 21, 2015  |
| Usable Security, <i>University of Maryland, College Park</i> .  | November 21, 2015  |
| Programming Mobile Applications for Android Handheld Systems, <i>University of Maryland, College Park</i> .             | April 29, 2014     |
| Programming Cloud Services for Android Handheld Systems, <i>Vanderbilt University</i> .                                 | September 30, 2014 |
| Programming Mobile Services for Android Handheld Systems, <i>Vanderbilt University</i> .                                | July 29, 2014      |

#### Udemy: 184 courses

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|--|-------------------|
| Cyber Security: Anti-Virus                                   | May 3, 2025       |
| Ethical Hacking: Reverse Shells                              | May 2, 2025       |
| Ethical Hacking: Password Cracking with Python               | May 1, 2025       |
| Accelerated Regular Expressions Training – Regex             | April 26, 2025    |
| Cyber Security: Secure Passwords on Linux                    | April 24, 2025    |
| Regular Expressions for Beginners – Universal                | April 23, 2025    |
| Cyber Security: Intermediate Linux Commands                  | April 20, 2025    |
| YAML in a Day: A Beginner's Guide                            | April 19, 2025    |
| Communicate Effectively with Data Visualization              | April 5, 2025     |
| Ethical Hacking: Offensive Security                          | March 31, 2025    |
| Ethical Hacking: Vulnerability Research                      | March 31, 2025    |
| TOTAL: CompTIA Tech+ (FC0-U71)                               | March 27, 2025    |
| Redis Database Tutorial                                      | March 23, 2025    |
| Build RESTful Services in Oracle APEX                        | March 17, 2025    |
| Cloud Computing for Beginners – Infrastructure as a Service  | March 12, 2025    |
| HELM – Package Manager for Kubernetes Complete Master Course | March 11, 2025    |
| Ethical Hacking: Hack Android                                | March 9, 2025     |
| Ethical Hacking: nmap in depth                               | March 8, 2025     |
| Cyber Kill Chain   | March 7, 2025     |
| Ethical Hacking: Pentesting Tools                            | March 7, 2025     |
| Mastering Argo Rollouts: Progressive Delivery in Kubernetes  | March 2, 2025     |
| Linux Security Basics for Beginners                          | March 1, 2025     |
| Secure your Linux VPS  | March 1, 2025     |
| Hospitality Masterclass: Luxury Food & Beverage Service      | February 26, 2025 |
| Argo Workflows: The Complete Practical Guide: Unlock DevOps  | February 22, 2025 |
| Argo CD Master Course: Expert Techniques in GitOps & DevOps  | February 19, 2025 |
| Aviation Security Threats                                    | February 17, 2025 |

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| Ethical Hacking: Eternalblue                                 | February 15, 2025  |
| Ethical Hacking: Linux Intrusion Essentials                  | February 15, 2025  |
| How to Identify and Combat Spam and Phishing Emails          | February 15, 2025  |
| Ethical Hacking: Introduction to Exploits                    | February 14, 2025  |
| Flask Hacking Mastery  | February 14, 2025  |
| Setup Ubuntu Server  | February 13, 2025  |
| Cyber Security: Common Attacks                               | February 12, 2025  |
| Threat Intelligence  | February 10, 2025  |
| Cyber Security: Master osquery                               | February 9, 2025   |
| Android Malware Analysis                                     | February 9, 2025   |
| Ethical Hacking: Hacking with Python                         | February 7, 2025   |
| Ethical Hacking: SQL Injection for Beginners                 | February 6, 2025   |
| Ethical Hacking: Password Cracking                           | February 5, 2025   |
| FinOps Certified Practitioner: Complete Training for Success | February 5, 2025   |
| Ethical Hacking: John the Ripper                             | February 1, 2025   |
| Ethical Hacking: Network Attacks                             | February 1, 2025   |
| Python Hacking: Create Backdoor                              | February 1, 2025   |
| Mastering FinOps – Practitioner Certification + FREE BOOK    | January 24, 2025   |
| Ethical Hacking: Post-Exploitation                           | January 21, 2025   |
| Ethical Hacking: AI Chatbots                                 | January 17, 2025   |
| GenAI Cybersecurity Solutions                                | January 17, 2025   |
| Ethical Hacking: Hacker Methodology                          | January 3, 2025    |
| Ethical Hacking: Windows Exploitation Basics                 | December 17, 2024  |
| Cyber Security: Phishing                                     | December 16, 2024  |
| Ethical Hacking: Web App Hacking                             | December 16, 2024  |
| Ethical Hacking: Command Injection                           | December 15, 2024  |
| Ethical Hacking: File Inclusion                              | December 15, 2024  |
| Hack Windows   | December 15, 2024  |
| Ethical Hacking: Weaponization                               | December 13, 2024  |
| Hack-Proof Banking: Defend Against Credit Card Threats!      | December 13, 2024  |
| How Websites Work  | November 30, 2024  |
| Windows Networking   | November 29, 2024  |
| Hack Network PCs   | November 28, 2024  |
| Ethical Hacking: Hack by Uploading                           | November 27, 2024  |
| Ethical Hacking: Web Enumeration                             | November 26, 2024  |
| Javascript Practicals Crash Course                           | November 17, 2024  |
| Asynchronous Javascript from A to Z                          | November 16, 2024  |
| The Complete LPI Open Source Essentials Exam Study Guide     | October 19, 2024   |
| Css Positioning For Absolute Beginners: A Basic Introduction | October 16, 2024   |
| Mastering JavaScript: OOP, Ajax, APIs, JSON, and Beyond      | October 15, 2024   |
| Responsive CSS: Flexbox and Grid                             | October 15, 2024   |
| CSS Layout Techniques  | October 12, 2024   |
| Build Modern Web Layouts With CSS Flexbox                    | October 10, 2024   |
| Terraform – From Zero to Certified Professional              | September 24, 2024 |
| Alibaba Cloud: From Zero to Hero – The Complete Guide        | September 14, 2024 |
| Certificate of Cloud Security Knowledge (CCSK) V4            | September 5, 2024  |
| Cybersecurity Habits Masterclass                             | August 10, 2024    |
| The Ultimate Prometheus Course [2024]                        | August 9, 2024     |
| Secure Programming of Web Applications – Developers and TPMs | August 7, 2024     |
| Cybersecurity Case Studies: Stuxnet, WannaCry, and Pegasus   | August 4, 2024     |
| OWASP TOP 10: Cross-site scripting (XSS) ~2023               | August 4, 2024     |
| [2023] Spring security OAuth 2.0 and social login in 1 hour  | August 2, 2024     |
| Practical introduction to Observability                      | August 2, 2024     |
| Phishing Attacks & Defense                                   | July 31, 2024      |
| OSINT: Romance Scams   | July 28, 2024      |
| Prometheus Alerting and Monitoring                           | July 23, 2024      |
| Prometheus   The Complete Hands-On for Monitoring & Alerting | July 20, 2024      |
| Secure Software Design Secure Software Series Course 3 of 8  | July 13, 2024      |
| Secure Software Implementation Series Secure Course 4 of 8   | July 12, 2024      |
| Advanced NLP Techniques: LoRA for Fine-Tuning Llama3 LLMs    | July 10, 2024      |
| Build Autonomous AI Agents From Scratch With Python          | July 10, 2024      |
| AI Security Bootcamp: Hack LLMs like a Pro                   | July 9, 2024       |
| LangChain 101 for Beginners (OpenAI / ChatGPT / LLMOps)      | July 9, 2024       |

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| <a href="#">Intro to Large Language Models (LLMs)</a>  | July 8, 2024      |
| <a href="#">LangChain Crash Course: Build OpenAI LLM powered Apps</a>  | July 8, 2024      |
| <a href="#">Working with Binary Data in Python 3</a>   | June 24, 2024     |
| <a href="#">Subnetting for Cisco CCNA CCNP Certification Exams</a>   | June 18, 2024     |
| <a href="#">Introduction To Fiber Optic Cabling</a>  | June 17, 2024     |
| <a href="#">Cisco – TCP/IP &amp; OSI Network Architecture Models</a>   | June 16, 2024     |
| <a href="#">Mastering IPv6 Networking with Amazon VPC: From A to Z</a>   | June 15, 2024     |
| <a href="#">Essentials of IP Addressing (IPv4)</a>   | June 14, 2024     |
| <a href="#">IP Subnet Math in under 15 Seconds without Calculator!</a>   | June 12, 2024     |
| <a href="#">Overview of Basic Networking Concepts – for Beginners</a>  | June 11, 2024     |
| <a href="#">Data Center Infrastructure Design – An Introduction</a>  | June 9, 2024      |
| <a href="#">Essentials of Physical Network Connectivity</a>  | June 8, 2024      |
| <a href="#">IP Networks for the Absolute Beginners – Part 3 – NAT</a>  | May 26, 2024      |
| <a href="#">Behind The Scenes for Network Engineers</a>  | May 24, 2024      |
| <a href="#">Networking Fundamentals: Build a solid foundation</a>  | May 22, 2024      |
| <a href="#">60-Minute Kotlin Quick Tips for Java Developers</a>  | May 11, 2024      |
| <a href="#">Subnetting Made Easy</a>   | May 10, 2024      |
| <a href="#">Subnetting IPv4 The Easy Way</a>   | May 9, 2024       |
| <a href="#">Learn the Fundamentals of Networking</a>   | May 8, 2024       |
| <a href="#">Mastering the Concepts of OSI Model</a>  | May 7, 2024       |
| <a href="#">IT Networking Fundamentals – Packet Switching</a>  | May 6, 2024       |
| <a href="#">Airport Lounge Management &amp; Cabin Crew Management 2.0</a>  | April 18, 2024    |
| <a href="#">Software Architecture Security – The Complete Guide</a>  | April 17, 2024    |
| <a href="#">Airline Strategy: How to run an airline</a>  | April 16, 2024    |
| <a href="#">The “BigTech” System Design Interview Bootcamp</a>   | March 26, 2024    |
| <a href="#">Java Microservices: CQRS &amp; Event Sourcing with Kafka</a>   | March 23, 2024    |
| <a href="#">Mastering the System Design Interview</a>  | March 23, 2024    |
| <a href="#">Secure Software Requirements Secure Dev Series Course 2 of 8</a>   | February 6, 2024  |
| <a href="#">YAML Zero to Master</a>  | January 15, 2024  |
| <a href="#">YAML Fundamentals Complete Course</a>  | January 6, 2024   |
| <a href="#">Hilt Dependency Injection in Android with Kotlin 2023</a>  | January 1, 2024   |
| <a href="#">C# OOP: A Beginner’s Guide to Object-Oriented Programming</a>  | December 31, 2023 |
| <a href="#">Introduction to Containers – 90 Minute Crash Course</a>  | December 30, 2023 |
| <a href="#">Lunch-n-Learn Series: Azure VM Scale Sets</a>  | December 29, 2023 |
| <a href="#">Digital Forensics and Electronic Evidence</a>  | December 28, 2023 |
| <a href="#">Learn TDD in Java</a>  | December 28, 2023 |
| <a href="#">Certified Vulnerability Assessor (CVA)</a>   | December 22, 2023 |
| <a href="#">Kubernetes for the Absolute Beginners – Hands-on</a>   | December 22, 2023 |
|  <a href="#">Udemy Labs – Online Kubernetes Lab for Beginners – Hands On</a> | December 18, 2023 |
| <a href="#">Lambda Expressions in Kotlin</a>   | December 17, 2023 |
| <a href="#">CompTIA Security+: Viruses, Threats and Compromise Indicators</a>  | December 12, 2023 |
| <a href="#">MO-201 Complete Techniques – Microsoft Excel 2019 Expert</a>   | December 11, 2023 |
| <a href="#">MO-200 Excel Associate Practice Tests and Video Solutions</a>  | November 30, 2023 |
| <a href="#">PIPL 101 – China’s Personal Information Protection Law</a>   | November 30, 2023 |
| <a href="#">MO-100 Word 2019/365 Associate Certification Preparation</a>   | November 27, 2023 |
| <a href="#">Advanced Java programming with JavaFx: Write an email client</a>   | November 25, 2023 |
| <a href="#">Introduction to Systems Programming in C</a>   | November 22, 2023 |
| <a href="#">Splunk Fundamentals 2 Training   Splunk Training for Splunk</a>  | July 18, 2023     |
| <a href="#">Splunk: Zero to Power User</a>   | July 9, 2023      |
| <a href="#">TOTAL: Conversation on Cryptography: w/ Mike Meyers</a>  | June 4, 2023      |
| <a href="#">Build Undetectable Malware Using C Language: Ethical Hacking</a>   | May 29, 2023      |
| <a href="#">Securing Amazon EC2 Instances: AWS Elastic Compute Cloud</a>   | May 29, 2023      |
| <a href="#">AWS Security Groups and Network ACLs</a>   | May 28, 2023      |
| <a href="#">Lean Six Sigma – Yellow Belt (IASSC Accreditation)</a>   | May 17, 2023      |
| <a href="#">Measurement System Analysis (MSA) for Quality / Operations</a>   | May 14, 2023      |
| <a href="#">FMEA Training   FMEA Specialist Certification (Accredited)</a>   | May 13, 2023      |
| <a href="#">Cost of Poor Quality (COPQ) Management for Excellence</a>  | May 1, 2023       |
| <a href="#">5S System Lean Manufacturing Expert Online Course</a>  | April 29, 2023    |
| <a href="#">Eliminate waste by implementing 5S</a>   | April 26, 2023    |
| <a href="#">The Complete LPI Security Essentials Exam Study Guide</a>  | April 17, 2023    |
| <a href="#">Certified Lean Specialist   Lean Management (Accredited)</a>   | April 9, 2023     |
| <a href="#">Helping Employees Embrace Change</a>   | April 8, 2023     |
| <a href="#">Lean Management   Certified Lean Expert (Accredited)</a>   | April 8, 2023     |



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| Microsoft Word 2019 Expert Exam (MO-101)                     | April 7, 2023      |
| MO-201 MOS Expert Excel 2019 exam                            | March 25, 2023     |
| Microsoft Word 2019 (MO 100) Study Guide to 1000 points      | February 1, 2023   |
| Outlook 2019 MO 400 Exam Preparation                         | January 27, 2023   |
| PowerPoint 2019 (MO 300) Exam                                | January 19, 2023   |
| MO-200 Microsoft Excel 365/2019 Associate Certification      | January 15, 2023   |
| Live Hard: From Smart Risks to Innovation, to Success        | January 14, 2023   |
| Creating Personal Success                                    | January 1, 2023    |
| Show Your Ink: Embracing Authentic Leadership                | January 1, 2023    |
| DB2 For Beginners  | November 25, 2022  |
| SQL Server Essentials in an hour: The SELECT statement       | November 22, 2022  |
| HashiCorp Certified: Terraform Associate – Hands-On Labs     | November 20, 2022  |
| Lean Six Sigma: Toolkit                                      | June 11, 2022      |
| Six Sigma Yellow Belt Certification Training                 | June 7, 2022       |
| Certified Lean Six Sigma Yellow Belt                         | June 1, 2022       |
| Spring Professional Certification Exam Tutorial – Module 08  | May 9, 2022        |
| Spring Professional Certification Exam Tutorial – Module 07  | May 8, 2022        |
| Spring Professional Certification Exam Tutorial – Module 06  | May 7, 2022        |
| Spring Professional Certification Exam Tutorial – Module 05  | May 2, 2022        |
| Spring Professional Certification Exam Tutorial – Module 04  | April 30, 2022     |
| Spring Professional Certification Exam Tutorial – Module 03  | April 28, 2022     |
| Spring Professional Certification Exam Tutorial – Module 02  | April 25, 2022     |
| Spring Professional Certification Exam Tutorial – Module 01  | April 24, 2022     |
| Lean Manufacturing A-Z: Lean Operations Management           | March 26, 2022     |
| Certified Lean Six Sigma White/Lean Six Sigma Yellow Belt    | March 5, 2022      |
| Six Sigma: Certified Lean Six Sigma White Belt (Accredited)  | February 19, 2022  |
| Power BI Masterclass from Scratch in 90 minutes [2022]       | January 30, 2022   |
| Certified Six Sigma White Belt                               | January 8, 2022    |
| Functional Programming using C++                             | December 30, 2021  |
| MS-900 Exam Prep: Microsoft 365 Fundamentals Course          | November 6, 2021   |
| AI-900 Azure AI Fundamentals Exam Prep In One Day – Jan 2021 | October 23, 2021   |
| DP-900: Microsoft Azure Data Fundamentals Video Course + Qus | September 19, 2021 |

#### KodeKloud: 1 course

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| Prometheus Certified Associate (PCA) | August 6, 2024 |
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#### The Linux Foundation: 5 courses

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| LFS244: Managing Kubernetes Applications with Helm         | March 9, 2025     |
| LFS256: DevOps and Workflow Management with Argo           | February 9, 2025  |
| LFS241: Monitoring Systems and Services with Prometheus    | July 28, 2024     |
| LFS200: Fundamentals of Open Source IT and Cloud Computing | December 15, 2023 |
| LFS250: Kubernetes and Cloud Native Essentials             | December 9, 2023  |

#### LinkedIn Learning: 1,085 courses

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| Node.js: Securing RESTful APIs   | May 3, 2025    |
| The Cost of Ignoring Employee Feedback   | May 2, 2025    |
| UX Foundations: Analyzing User Data  | May 1, 2025    |
| Five Ways to Improve Your Insider Threat Program                                   | April 20, 2025 |
| Python Practice: Real-World Coding Challenges                                      | April 1, 2025  |
| Compliance and Regulations for Generative AI                                       | March 31, 2025 |
| Video Without Cameras: Text-to-Video Tools and Trends                              | March 31, 2025 |
| Evaluating and Selecting the Best Cybersecurity Tool for Your Organization         | March 30, 2025 |
| What to Do When Your Boss Isn't Advocating for You                                 | March 30, 2025 |
| Applying the Azure Well-Architected Framework                                      | March 29, 2025 |
| SSL Certificates for Web Developers  | March 28, 2025 |
| Google Cloud: Controlling Cost   | March 27, 2025 |
| CompTIA Security+ (SY0-701) Cert Prep: 5 Security Program Management and Oversight | March 26, 2025 |
| Designing a Google Cloud Landing Zone  | March 25, 2025 |
| Designing an AWS Landing Zone  | March 25, 2025 |
| Azure Developer Associate (AZ-204) Cert Prep: Implementing VMs and Batch Jobs      | March 24, 2025 |

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| Learning Alibaba Cloud   | March 23, 2025   |
| Spring: Spring Data 2 (2017)   | March 22, 2025   |
| CISSP Cert Prep (2021): 1 Security and Risk Management   | March 21, 2025   |
| Prometheus Essential Training  | March 20, 2025   |
| CompTIA Security+ (SY0-501) Cert Prep: 4 Identity and Access Management                                    | March 19, 2025   |
| Microsoft Security Copilot   | March 18, 2025   |
| Choosing a Cloud Platform for Developers: AWS, Azure, and GCP  | March 17, 2025   |
| Oracle APEX: Foundations   | March 16, 2025   |
| Insider Threat Risk Management   | March 15, 2025   |
| Creating AI Applications with Python and GitHub Models   | March 14, 2025   |
| CCSP Cert Prep: 1 Cloud Concepts, Architecture, and Design   | March 13, 2025   |
| Cloud Storage Concepts: Services, Cost Control, and Security   | March 12, 2025   |
| Cybersecurity Foundations: Governance, Risk, and Compliance (GRC) (2023)                                   | March 11, 2025   |
| Google Cloud Digital Leader Cert Prep: 6 Scaling with Google Cloud Operations                              | March 10, 2025   |
| DevOps Foundations: Incident Management  | March 9, 2025    |
| Cyber Defense Infrastructure: Mitigating Cyber Risks and Preventing Security Incidents                     | March 8, 2025    |
| Serverless Cloud Computing: Concepts, Platforms, and Services  | March 7, 2025    |
| DevOps Foundations: Chaos Engineering  | March 6, 2025    |
| A Beginner's Guide to Public Cloud Options   | March 5, 2025    |
| Cloud Concepts: Planning an Application Migration Strategy   | March 4, 2025    |
| Cloud Architecture: Core Concepts  | March 3, 2025    |
| Google Cloud Digital Leader Cert Prep: 2 Exploring Data Transformation with Google Cloud                   | March 2, 2025    |
| Google Cloud Core Services   | March 1, 2025    |
| Creating AI-Generated Videos with Sora   | February 2, 2025 |
| Excel in the Real World  | February 1, 2025 |
| Nano Tips with Piers Linney on How AI Will Affect Your Role  | January 31, 2025 |
| Reconnecting Your Silos: A Roadmap to Success  | January 31, 2025 |
| Excel: Macros and VBA for Beginners  | January 30, 2025 |
| Leveraging AI for Threat Intelligence  | January 29, 2025 |
| Cloud Security Architecture for the Enterprise   | January 28, 2025 |
| AI Show: Meta Llama 2 Foundational Model with Prompt Flow  | January 27, 2025 |
| Microsoft Azure Data Scientist Associate (DP-100) Cert Prep: 1 Manage Azure Resources for Machine Learning | January 27, 2025 |
| Managing Up as an Employee   | January 26, 2025 |
| Navigating Internal Mobility as an Employee  | January 25, 2025 |
| Cloud DevOps Concepts: Understanding Processes and Services  | January 24, 2025 |
| Responsible GitHub Copilot: Creating Reliable Code Ethically   | January 23, 2025 |
| Lean Inventory Management  | January 22, 2025 |
| Large Language Models on AWS: Building and Deploying Open-Source LLMs                                      | January 21, 2025 |
| Supply Chain Foundations: Managing the Process   | January 21, 2025 |
| AI in Cybersecurity: The Future of Red Teaming and Blue Teaming  | January 20, 2025 |
| Generative AI: The Evolution of Thoughtful Online Search   | January 19, 2025 |
| Learning Microsoft 365 Copilot and Business Chat   | January 19, 2025 |
| Nano Tips for Future-Proofing Your Career with AI with Piers Linney  | January 19, 2025 |
| Overcoming Being a People Pleaser At Work  | January 18, 2025 |
| How to Make Confident Decisions at Life's Crossroads   | January 18, 2025 |
| Nano Tips to Build Visibility at Work with Melody Wilding  | January 17, 2025 |
| Azure OpenAI: Generative AI Models and How to Use Them   | January 16, 2025 |
| Introduction to Generative AI with GPT   | January 15, 2025 |
| ChatGPT: Tailoring AI to Your Writing Style  | January 14, 2025 |
| How to Use Generative AI: Building an AI-First Mindset   | January 13, 2025 |
| Introduction to Generative Adversarial Networks (GANs)   | January 13, 2025 |
| Introduction to Prompt Engineering for Generative AI (2023)  | January 13, 2025 |
| FinOps Essentials for Cloud Deployments  | January 12, 2025 |
| Palo Alto Networks Cybersecurity Fundamentals: 2 Systems and Networking                                    | January 11, 2025 |
| Simple Ways to Build Personal Accountability   | January 10, 2025 |
| Microsoft Azure: Security Concepts   | January 9, 2025  |
| Palo Alto Networks Cybersecurity Fundamentals: 3 Security Solutions  | January 8, 2025  |
| JSON Essential Training  | January 7, 2025  |
| Designing a Secure and Effective AWS IAM Model   | January 6, 2025  |
| Palo Alto Networks Cybersecurity Fundamentals: 1 Cybersecurity Contexts                                    | January 5, 2025  |
| Human Resources: Payroll   | January 4, 2025  |
| Leveraging AI for Penetration Testing  | January 3, 2025  |
| Getting Started with PCI 4.0 Compliance  | January 2, 2025  |

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| How to Think Big  | January 1, 2025    |
| Building AI-Ready Applications with Azure Databases and AI  | December 31, 2024  |
| Showing Executive Presence in Person or Remotely  | December 30, 2024  |
| Using Generative Artificial Intelligence (AI) in Supply Chains  | December 29, 2024  |
| AI Techniques for Networking  | December 25, 2024  |
| How to Stand Out Remotely   | December 24, 2024  |
| Managing Logistics  | December 24, 2024  |
| International Logistics   | December 23, 2024  |
| Understanding Logistics   | December 23, 2024  |
| Coding Exercises: Git   | December 22, 2024  |
| Communicating with Executives   | December 22, 2024  |
| Git Intermediate Techniques   | December 21, 2024  |
| Git Workflows   | December 19, 2024  |
| Use AI to Reimagine Business Processes  | December 19, 2024  |
| 8 Git Commands You Should Know  | December 18, 2024  |
| Fundamentals of Agentic AI: Business Implications and Ethical Insights                                  | December 18, 2024  |
| Nano Tips for Influencing Those More Senior Than You with Shadé Zahrai                                  | December 18, 2024  |
| Git from Scratch  | December 17, 2024  |
| Software Testing Foundations: Test Planning   | November 30, 2024  |
| Tech on the Go: History of PHP  | November 29, 2024  |
| AI Show: How to Draw Anything with Azure AI and Stable Diffusion  | November 28, 2024  |
| Automate Your Workflows with Generative AI  | November 28, 2024  |
| Use Generative AI for SWOT Analysis   | November 27, 2024  |
| Practice It: Python Data Structures   | November 26, 2024  |
| Level Up: Java  | November 25, 2024  |
| GenAI Foundations in Java Development   | November 24, 2024  |
| Top Features of Java 21   | November 23, 2024  |
| Level Up: Advanced Python   | November 22, 2024  |
| Data Structures in JavaScript: BSTs, Queues, and Stacks   | November 21, 2024  |
| JavaScript: Arrays  | November 20, 2024  |
| Microsoft Cybersecurity Architect: Evaluate GRC Technical Strategies and Security Operations Strategies | November 20, 2024  |
| JavaScript: Functions   | November 19, 2024  |
| Learning Functional Programming with JavaScript ES6+ (2019)   | November 18, 2024  |
| AI Show: The Latest from Azure Form Recognizer  | November 17, 2024  |
| JavaScript: Enhancing the DOM   | November 16, 2024  |
| Advanced AI Governance: Operationalizing AI Controls and Continuous Monitoring                          | November 15, 2024  |
| Streamlining Your Work with Microsoft Copilot   | November 14, 2024  |
| Azure AI Engineer Associate (AI-102) Cert Prep: Implement Generative AI Solutions                       | November 13, 2024  |
| AWS Certified Advanced Networking – Specialty (ANS-C01): 4 Network Security, Compliance, and Governance | November 12, 2024  |
| Software Testing Foundations: Testing throughout the SDLC   | November 11, 2024  |
| Cloud Governance Concepts: Tools and Requirements   | November 10, 2024  |
| Software Testing Foundations: Test Strategy   | November 9, 2024   |
| Excel Power Query Tips and Techniques   | November 8, 2024   |
| Java: Recursion   | November 7, 2024   |
| UX Design: 1 Overview   | November 6, 2024   |
| JavaScript: Security Essentials   | November 5, 2024   |
| RAG Tuned AIs with the Cohere API Platform  | November 4, 2024   |
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| Use Copilot AI for Secure Work Data in Your Organization   | September 21, 2024 |
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| Microsoft Security, Compliance, and Identity Fundamentals (SC-900): 2 Identity and Access Management       | September 16, 2024 |
| Microsoft Security, Compliance, and Identity Fundamentals: Understanding Microsoft Compliance Capabilities | September 15, 2024 |
| Microsoft Azure Fundamentals (AZ-900) Cert Prep: 1 Cloud Concepts  | September 14, 2024 |
| Google Cloud Security for Beginners: Tools and Services  | September 13, 2024 |
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| Azure Developer Associate (AZ-204) Cert Prep: Implement Azure Security                                     | September 4, 2024  |
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| The OWASP Top 10 for Large Language Model (LLM) Applications: An Overview                                      | June 3, 2024  |
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| Microsoft Cybersecurity Architect Expert (SC-100) Cert Prep: 4 Design Strategy for Data and Applications | March 9, 2024     |
| What is Copilot? Get Started with Microsoft's Everyday AI Companion                                      | March 9, 2024     |
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| Azure Data Fundamentals (DP-900) Cert Prep: 2 Working with Relational Data on Azure                      | March 7, 2024     |
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| The State of Generative AI: Images, Prompting, and Language Models                                       | March 6, 2024     |
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| The Cybersecurity Threat Landscape   | February 27, 2024 |
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| Database Foundations: Administration   | February 14, 2024 |
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| The OWASP API 2023 Top 10: An Overview   | February 9, 2024  |
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| OWASP Top 10: #7 Identification and Authentication Failures and #8 Software and Data Integrity Failures        | February 8, 2024  |
| Azure AI Tips for Developers: Securing Your Data   | February 7, 2024  |
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| OWASP Top 10: #9 Security Logging and Monitoring Failures and #10 Server-Side Request Forgery                  | February 5, 2024  |
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| Microsoft Cybersecurity Architect (SC-100) Cert Prep: 3 Design Security for Infrastructure by Microsoft Press  | February 1, 2024  |
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| Azure SQL Deep Dive  | January 13, 2024  |
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| Amazon Q Developer for Software Development                                 | November 15, 2024  |
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| Orchestrating Serverless Workflows  | November 11, 2024  |
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| Object-oriented Concepts in JavaScript                                      | October 30, 2024   |
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| Code School: JavaScript Road Trip Part 1                                    | October 26, 2024   |
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| Understanding Serverless APIs   | October 20, 2024   |
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| Advanced Persistent Threat Brief: Sandworm Team                             | October 15, 2024   |
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| Sandworm Team: T1505.003 Server Software Component Web Shell Emulation      | October 15, 2024   |
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| OpenPrinting CUPS Remote Code Execution Exploit Chain: What You Should Know | October 8, 2024    |
| CVE-2024-43491 Windows Update Remote Code Execution: What You Should Know   | October 4, 2024    |
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| Building Dashboards from Prometheus Data in Grafana              | August 7, 2024     |
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| Volt Typhoon: T1003.003 Credential Dumping Emulation                | June 23, 2024  |
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| 802.11 Technology Fundamentals for Cisco WIFUND (200-355)           | May 11, 2024   |
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| The Journey from Legacy Code to Idiomatic Kotlin                         | April 6, 2024     |
| XZ Backdoor Supply Chain Vulnerability: What You Should Know             | April 6, 2024     |
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| Implementing Amazon S3 Storage on AWS                                    | April 3, 2024     |
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| Core Concepts of Generative AI for Developers                            | March 10, 2024    |
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| How to Build Your Own App Using Amazon PartyRock                         | February 18, 2024 |
| How to Create and Use Lambda Layers Using AWS                            | February 16, 2024 |
| Build and Use GenAI with Amazon Bedrock (Console Overview)               | February 12, 2024 |
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| Kubernetes for Developers: Deploying Your Code   | January 8, 2024   |
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| Kubernetes on Windows Vulnerability: What You Should Know  | December 19, 2023 |
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| Cyber Criminals and Their Attacks  | December 7, 2023  |
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| Kubernetes Package Administration with Helm  | December 5, 2023  |
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| Defending Against JavaScript Keylogger Attacks on Payment Card Information        | June 2, 2023   |
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| Network Vulnerability Scanning with OpenVAS (12 Jan 2017)                         | May 31, 2023   |
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| Microsoft Identity and Access: Plan and Implement Identity Governance in Azure AD | May 28, 2023   |
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| Security for Hackers and Developers: Overview                                     | May 26, 2023   |
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