

JESTINE JOJO

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Professional Summary

Emerging cybersecurity professional completing a **Bachelor of Cyber Security** at Deakin University. Hands on experience building security-automation tooling and analysing threats through capstone and virtual industry projects. Familiar with core frameworks and concepts including the **NIST CSF**, **CIA triad**, **CISSP's eight** security domains, and **SIEM fundamentals** and collaborative person seeking internship or graduate roles in cyber security, IT, or related fields.

Education

Bachelor of Cyber Security, Deakin University, Burwood, Melbourne Feb 2023 – Feb 2026 (expected)

High Distinction:

- Cyber Security Analytics.
- Introduction To Data Science and Artificial Intelligence.
- Introduction to Responsive Web Apps.
- Professional Practice in Information Technology.
- Database Fundamentals.

Distinction:

- Cyber Security Forensic Investigation.
- Secure coding.
- Malware Analysis
- Network Forensics

Technical Skills

Languages & Scripting

Python, Bash, SQL (basic).

Security Tools :-

Nmap, John the Ripper, Metasploit,
Burp Suite , OWASP ZAP.

DevOps & Platforms

Linux, Git/GitHub, JSON, REST APIs, , Trello.

Data Analysis & Visualisation

Jupyter Notebook, Pandas, NumPy, Matplotlib (basic).

Projects

Auto Audit Compliance Tool, Core API — Redis Caching & Controls Proxy

Backend Developer

June 2025 – Sep 2025

- **Built** a Redis-backed caching layer for a FastAPI application, with Redis serving as both Celery broker and fastapi-cache backend; implemented connection pooling, health checks, retry/backoff, and JSON (de)serialization for robust async operations.
- **Developed** cache helper methods (get(), set(), delete(), clear(), stats()) and exposed three secured admin endpoints (/status, /clear, /stats) to monitor and manage cache health, usage, and hit/miss ratio in real time.
- **Created** a high-level architecture diagram and technical documentation for the Controls/Metadata Proxy and caching card, including production-ready options (Azure/GCP Memorystore) and environment/TTL/auth configuration guidance.

- **Validated** reliability with a local stack (FastAPI + Redis + Celery + Prometheus) and leveraged a Dev Proxy to simulate Microsoft Graph/Azure responses for secure, repeatable testing without credentials.

Capstone — AppAttack Security-Automation Toolkit

Mar 2025 – May 2025

Security Automation Developer

- Engineered Python parsers for Nmap, John the Ripper and Metasploit, converting raw output to structured JSON and boosting AI-driven insights.
- Designed a Bash workflow (Recon, Vulnerability Scans, Exploitation) that streamlined security testing.
- Maintained GitHub repo, resolved merge conflicts and mentored peers on Git branching; coordinated agile sprints with Trello and MS Teams.

Freelance Project — E-Commerce Storefront

Feb 2025 – April 2025

- Purchased and configured a custom domain on **GoDaddy**, pointed DNS/SSL to the e-commerce platform, and launched a branded, secure storefront.
- Tailored the theme end-to-end to meet the client's branding and UX goals.
- Extended product metafields and cart logic for tiered pricing, bundle-upsell rules, and region-specific GST/VAT calculations across AU, NZ, and US markets.

Academic Project — CI/CD DevOps Pipeline for Book-Review Web App

Oct 2024 – Aug 2024

- **Orchestrated** a Jenkins Declarative Pipeline that containerised and deployed a **React.js** front-end, **Node/Express** API, and **MongoDB** database with Docker Compose, automating the end-to-end **build → test → SonarQube analysis → deploy → cleanup** flow on every pull-request.
- **Embedded** Postman contract tests and Jest unit suites into the pipeline, blocking merges on failing API or business-logic checks and ensuring reliable releases.
- **Enforced** SonarQube quality gates and container security scans, slashing technical-debt issues by 70 % across two sprints.
- **Packaged** the stack into reusable, registry-hosted Docker images and GitHub Action triggers, cutting manual release time from 30 min to < 5 min.

Mastercard Cybersecurity Virtual Experience (Forage)

Dec 2023

Analysed phishing emails and drafted a security-awareness training plan for a simulated enterprise.

Mastercard Advisors — Client Services Virtual Experience (Forage)

Nov 2023

SQL and Excel to assess campaign ROI and presented optimisation recommendations to stakeholders.

Personal Project — AlgoTrade Stock-Market Automation Platform

Jan 2023

- **Engineered** an end-to-end Python pipeline that harvests historical NSE/BSE tick data and reconciles corporate-action gaps
- **Created** a pattern-recognition script that identifies key 10+ candlestick formations, breakout zones, and momentum shifts, providing rapid signals for strategy prototyping and back-testing.
- **Deployed** a Google Cloud back-testing stack of replaying five years of trades in under 3 minutes, accelerating strategy iteration by 80 %.
- **Implemented** a live-market module that streams real-time quotes via WebSockets, runs signal generation and risk-management rules, and outputs trade recommendations for one-click paper-trading and future automated execution.

Professional Experience

BP Australia — Customer Service / Console Operator

Apr 2025 – Present

- Serve customers accurately processing EFTPOS and cash transactions.
- Monitor forecourt CCTV and coordinate emergency shut offs; conduct hourly compliance checks.

HP Gas, Kerala, India — Customer Service

Jan 2021 – Dec 2021

Managed 2000+ customer queries per month and drove 2000 new sign-ups in two months.

Activities and Certifications

- Best project of the year by Deakin University - 2025
- Athletics and football school representative
- Google Cybersecurity Professional Certificate (ongoing)

Reference

Referees available on request.