Ethan Walsh

Final Year Bachelor of IT

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OVERVIEW

I am a final year software and application development student with a strong foundation in programming, cybersecurity, and cloud technologies. My academic experience includes leading a secure web application project and conducting penetration testing to enhance security. I have hands-on experience in database management, full-stack development, and DevOps tools. In addition to my technical skills, my customer service role has strengthened my problem-solving and communication abilities. I am eager to apply my knowledge and skills to real-world projects in software development and cybersecurity.

TECHNICAL SKILLS

Programming & Software Development	Java, Python, Object-Oriented Programming (OOP), Data Structures, Algorithms, Software Development Life Cycle (SDLC), Agile, Git, GitHub, GitLab
Web & Application Development	HTML, CSS, JavaScript, React.js, Angular, Vue.js, Node.js, Full-Stack Development, TypeScript
Cybersecurity & Penetration Testing	Ethical Hacking, Penetration Testing, Kali Linux, Metasploit, Wireshark, Burp Suite, Encryption, Authentication, Access Control
Database Management	SQL, MySQL, PostgreSQL, NoSQL, Database Design, Normalization, Indexing, Queries, Stored Procedures, Triggers
Cloud Computing & DevOps	Google Cloud, GitHub Actions
Networking & Operating Systems	TCP/IP, HTTP, FTP, DNS, DHCP, Linux, Windows Server, Virtualization, VMware, VirtualBox
Problem-Solving & Technical Troubleshooting	Debugging, Code Optimization, VS Code, IntelliJ, Eclipse, Analytical Skills, Troubleshooting

EDUCATION

Bachelors of Information Technology   Charles Sturt University   2025
Specialisation in Software & Application Development
GPA: 5.56

- Worked on a group project to deliver insights on Microsoft JARVIS and developing backend systems.
- Conducted penetration testing on applications to identify vulnerabilities and enhance security measures.
- Designed and implemented database systems for data management and storage.

AWARDS

- Executive Deans Award, 2023
- Executive Deans Award, 2024

RECENT PROFESSIONAL EXPERIENCE

Customer Service   **2022 – Current**
Woolworths

- Deliver exceptional customer service in a high-paced retail environment.
- Resolve customer inquiries and concerns efficiently to enhance the shopping experience.
- Maintain stock levels and support inventory management to optimise store operations.

- Collaborate with team members to ensure seamless daily operations.

Achievements:

- Strengthened interpersonal skills through continuous customer and team interactions.
- Contributed to improved operational efficiency by assisting with inventory management.

VOLUNTEERING

Volunteer	**8/5/2024**
Australian Computer Society	

- Assisting hosting campus-run IT events.

REFEREES

Jason Howarth | CSU Lecturer
Charles Sturt University
Lecturer
Contact: jhowarth@csu.edu.au

Jenny Worthington | Store Manager
Woolworths
Manager
Contact:
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