BENSON BASIL

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SUMMARY

Innovative Software Engineering graduate with a passion for technology and a proven track record in IT infrastructure management and project execution. Adept at handling high-pressure situations and delivering complex technical solutions for high-profile events. Possesses a unique blend of technical expertise and interpersonal skills, with a keen interest in cybersecurity and AI applications. Demonstrates resilience, adaptability, and a commitment to continuous learning, particularly in emerging technologies. Seeking to leverage my diverse skill set and problem-solving abilities to contribute to cutting-edge projects in software development and cybersecurity.

PROJECTS

PREDICTIVE TRAFFIC SYSTEM (2023):

Technologies: C, C++, Python, Raspberry Pi, Photon Particle, IoT sensors
Goal: Develop a smart traffic management system to improve urban infrastructure
Use Case: Real-time traffic flow optimization in city intersections
Outcome: Demonstrated ability to work with IoT devices and apply data processing for smart city solutions

CUSTOM TAIL-LIGHT - CIRCUIT BOARD (2019):

Technologies: PCB design software, electronic components, Automotive systems
Goal: Create a custom circuit board for enhanced automotive lighting
Use Case: Improved visibility and customization options for vehicle tail-lights
Outcome: Successfully fabricated a functional custom tail-light circuit board

AFFORDABLE SMART DOOR LOCK (2017):

Technologies: Microcontrollers, Mobile app development, Wireless protocols
Goal: Develop a cost-effective smart locking system for residential use
Use Case: Remote access control and monitoring of home entry points
Outcome: Created a functional prototype of an accessible smart lock solution

SMART KEYBOARD (Design Only) (2016):

Technologies: AutoCAD, Autodesk Inventor, 3D modelling.
Goal: Design an intelligent keyboard with advanced typing assistance features
Use Case: Enhance typing efficiency and user experience for computer users
Outcome: Produced a comprehensive design for an innovative keyboard concept

EXPERIENCE

|IT Service Officer
| One World Rental | April 2023 - Present

- Spearhead IT infrastructure management for high-profile events, including Adelaide 500 V8 Supercars and Royal Melbourne Show

- Orchestrate the installation and management of over 120 Full Square systems and 10 Starlink connections, ensuring seamless operations under intense pressure

- Implement robust security protocols and strict access controls for critical financial systems, safeguarding sensitive data

- Configure and maintain complex network infrastructures, including mesh systems for extended range

- Manage large datasets related to IT asset management, ensuring data integrity and security in high-pressure environments

- Develop and maintain reporting systems for event management, improving operational efficiency

- Educate clients on network safety, virus prevention, and proper use of antivirus software, enhancing overall system security

- Troubleshoot and resolve complex technical issues in real-time, minimizing downtime during critical events

- Collaborate with cross-functional teams to ensure smooth integration of IT services with event operations

|Network and Systems
| ARB Corporation Ltd | May 2021 - March 2023

- Led a project to enhance operational efficiency, significantly improving warehouse management and goods flow

- Designed and implemented a new inventory system that optimized tracking, picking, and restocking processes

- Managed a team of 3 staff members, fostering a collaborative and productive work environment

- Conducted thorough analysis of warehouse operations, creating comprehensive documentation for improved efficiency

- Implemented data-driven decision-making processes, resulting in measurable improvements in operational KPIs

- Maintained and optimized network infrastructure to support seamless communication across multiple departments

- Collaborated with various stakeholders to align IT solutions with business objectives and improve overall productivity

EDUCATION

Victorian Certificate of Education (VCE)
Wellington Secondary College, VIC
2014 – 2016

Completed VCE subjects:
- English Language
- Mathematical Methods
- Physics
- Chemistry
- Biology
- Economics

Bachelor of Software Engineering (Honours)
Deakin University, Burwood, VIC
Expected Graduation: 2026

Relevant Coursework:

- **Software Development:** Programming (Python, C++), Algorithms & Data Structures, Object-Oriented Design

- **Hardware & Networks:** Embedded Systems, Computer Networks, IoT Development

- **Data & Information:** Data Management, Discrete Mathematics, Data Science Fundamentals

- **Professional Skills:** Software Engineering (Agile, DevOps), Project Management

SKILLS

TECHNICAL SKILLS
Programming: Proficient in JavaScript, Python, C#, C++, C.
Frameworks: Experienced with React, Next.js, Node.js, .NET; skilled in Docker, Kubernetes for system reliability.
Platforms: Expert in GitHub, Jenkins, Azure, AWS, Google Cloud Platform.
Systems & Tools: Skilled in Linux, SQL, MATLAB, Visual Studio, AutoDesk, Power BI, SAP EPR.

SOFT SKILLS
Agile Methodologies: Skilled in agile project management, driving iterative development and improvements.
Problem-Solving: Strong analytical abilities, adept at complex problem resolution.
Leadership: Proven leadership in managing diverse teams, fostering collaboration and mentorship.

ADDITIONAL COMPETENCIES
CRM and Support: Proficient in CRM, ticketing, bug-tracking systems; ensures exceptional support.
Efficiency: High typing speed over 90 WPM

EXPERIENCE cont.

|**ICT Business Lead**
| JB Computers Pty. Ltd. | January 2010 - January 2018

- Family owned and operated business. Significant exposure to technology – Hardware & Software.

- Managed complete shop operations, focusing on secure and efficient business activities

- Led the design and implementation of e-commerce websites, enhancing customer engagement

- Ensured legal compliance and proper documentation for all business operations

- Developed client-specific security protocols and provided best practices for network integrity

Performed computer repairs, built custom PCs, and provided technical support to customers

|**Internship**
| Geoscience Australia | September 2016

Gained valuable experience in federal public service operations

Conducted chemical analyses and identified safe zones for mining operations

Participated in remote satellite operations from Canberra

Handled sensitive data, ensuring its security and integrity

Contributed to responses for natural phenomena like tsunamis and earthquakes

Developed skills in precise scientific testing and rigorous risk assessment

REFERENCE

MELISSA MOLE

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HIRUSHAN SIRIWARDHANA

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