

# Jack Sylvester-Barnett

Data Engineer & Software Developer

## WEBSITE

<https://jacksb.com>

## CONTACT

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## EDUCATION

Bachelor of Science in Computing /  
Computer Game Development  
(Honours)

University of Central Lancashire (UK)  
2014-2018

Software Development (Level 3)

Peterborough Regional College (UK)  
2012-2014

IMIAl Diploma in Vehicle Fitting  
Principles (Level 2)

University Academy Holbeach (UK)  
2011-2012

## INTERPERSONAL SKILLS

- Highly creative and passionate about implementing different computer game logic
- Analytical and problem-solving skill
- Flexibility and strong attention to detail
- Ability to work well in stressed environments
- Proven timeliness and project management skills
- Excellent written, verbal communication and interpersonal skills
- Adaptable to new team environments and willing to expand my knowledge base
- Quick learner with an attitude of initiating and motivating myself and the team to succeed
- Team leadership skills

## PROJECT WORK

- All projects are uploaded here: <https://gitlab.com/DudeJack13>. This contains python, JavaScript and C++ projects and is updated when I work on something new.
- Programming an Xbox 360 controller to control a robot arm using Raspberry Pi microcontroller- <https://youtu.be/hGUGML0kCpU>
- Implemented a Goal Action Oriented Planning algorithm into a game world to allow agents to achieve goals given to them.
- Tetris made in Windows Console <https://gitlab.com/DudeJack13/tetrisconsole>
- MinesweeperAI in Windows Console <https://gitlab.com/DudeJack13/minesweeperai>

## TECHNICAL AND COMPUTING SKILLS

### Programming languages

C++, C#, HTML, CSS, PHP, JavaScript & TypeScript, Python, SQL, Postgres & PostGIS, NoSQL, GraphQL

### Operating Systems

Windows, Mac, Linux, Android, Windows PE and UNIX

### Applications

Microsoft Visual Studio, Visual Studio Code, Microsoft Office Suite, Active Directory, Adobe Photoshop, Blender, VMWare, AWS, Eclipse, Jira, Jamf, Mosyle, DataGrip

### Networking

IP Addressing, Configuring Networks

### PC

Computer assembling and maintenance, troubleshooting hardware and software issues

## EMPLOYMENT HISTORY

Aug 2022 - Current	Data Engineer Full Time	Combase Deakin, ACT, Australia
<b>Responsibilities</b>		
<ul style="list-style-type: none"><li>• Proficient in developing Backend APIs using TypeScript (Node.js), PHP, and Python, with expertise in REST and GraphQL.</li><li>• Skilled in managing databases, including MongoDB and Postgres (including PostGIS).</li><li>• Proficient in AWS services such as SAM, EC2, Lambda, DynamoDB, QLDB, Cognito, and SQS, among others.</li><li>• Experienced in designing and implementing new features for software systems.</li><li>• Adept at maintaining and troubleshooting existing software.</li><li>• Proactively identifying and addressing security vulnerabilities.</li></ul>		
Mar 2022 – Aug 2022	Desktop Support Analyst Full Time	Centorrino Technologies Lyneham, ACT, Australia & Remote
<b>Responsibilities</b>		
<ul style="list-style-type: none"><li>• Providing day-to-day computer and laptop support for both staff and students.</li><li>• Demonstrated expertise in Active Directory management.</li><li>• Proficiency in managing Apple School Manager, Jamf, and Mosyle systems.</li><li>• Effective troubleshooting and maintenance of Office 365, Windows 10, Windows 11, and Windows server environments.</li><li>• Offering desktop support via phone and providing remote assistance.</li><li>• Efficiently managing security access across two campuses.</li><li>• Implementing cutting-edge technologies across multiple campuses.</li><li>• Creating and maintaining comprehensive documentation for new and existing procedures.</li></ul>		
Aug 2020 – Mar 2022	Internal Sales Full Time	John R Turks (Rexel Group) Fyshwick, ACT, Australia
<b>Responsibilities</b>		
<ul style="list-style-type: none"><li>• Staying updated on emerging technologies in the electrical industry to provide informed recommendations to electricians.</li><li>• Assisting electricians in locating specific items required for their projects.</li><li>• Efficiently processing orders through phone, email, or in-person interactions, and arranging for pickup or on-site delivery.</li><li>• Managing procurement of large quantities of stock for the store or trade companies.</li><li>• Collaborating with tradesmen and suppliers to prepare job quotations.</li><li>• Responsible for stocking shelves and performing basic warehouse maintenance tasks.</li></ul>		
Oct 2019 – Dec 2019	Assistant Supervisor/Santa Seasonal	Scene to Believe ACT, Australia
<b>Responsibilities</b>		
<ul style="list-style-type: none"><li>• Account for daily profits, manage payments, supervise sales staff, and handle customer interactions.</li></ul>		
Oct 2018 – Jan 2019	Sales Assistant Seasonal	GAME Peterborough, England
<b>Responsibilities</b>		
<ul style="list-style-type: none"><li>• Assist customers with tech and game queries, promote offers, and process transactions at the till.</li></ul>		
Aug 2016 – Jul 2017	Software Developer Engineering Internship	Fujitsu Technology Solutions Augsburg, Germany
<b>Responsibilities</b>		
<ul style="list-style-type: none"><li>• Conducting QA testing on computer systems.</li><li>• Engaging in scripting and software development tasks.</li><li>• Collaborating within a SCRUM team to deliver projects.</li><li>• Troubleshooting server and network issues.</li><li>• Performing hardware maintenance and upkeep.</li><li>• Creating software diagnostic tools for the product lifecycle.</li><li>• Debugging new software releases.</li></ul>		