

# Andrew Veness

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## Personal Summary

I'm a software developer with hands on experience building full-stack web applications and working with predictive analytics. I've completed full stack development training through Code Institute and continue to sharpen my skills through personal projects. Business-orientated and passionate about creating functional code, solving complex problems, and bringing ideas to life. Currently focused on Python, JavaScript, predictive analytics, cybersecurity and cloud deployment on Linux servers.

## Skills

Experience in full-stack web development, including front-end and back-end integration, database management, data analysis, machine learning, predictive modelling and version control.

### Hard Skills

- **Programming Languages:** HTML, CSS, JavaScript, Python.
- **Front-end & Back-end frameworks/libraries:** Bootstrap, jQuery, Flask, Django.
- **Machine learning & data analytics frameworks/libraries:** Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Streamlit, Jupyter Notebook.
- **Database Management:** SQL, PostgreSQL, SQLAlchemy.
- **Agile Practices:** Git, Kanban, User Stories.
- **DevOps & Testing:** HTML/CSS Validator, Lighthouse, JSHint, PEP8, Jest, unittest.
- **Deployment:** Heroku, Render, Debian (via Proxmox).
- **Command-line Interfaces:** CMD, PowerShell, Bash.
- **Operating Systems:** Windows, Linux.

### Soft Skills

- Strong interpersonal skills developed over 12 years of management roles.
- Excellent communication skills gained through 12 years of face to face and telephone sales experience.
- Proven problem-solving abilities built over 17 years of client facing roles.
- Effective organisation skills gained from 17 years of self-managed work.
- Strong ability to adapt and learn quickly, developed through years of working in fast-paced, dynamic environments.

## Certifications / Qualifications

- Level 5 Diploma in Full-Stack Software Development with Predictive Analytics Ongoing

## Projects

- Static website created for a building contractors using HTML and CSS: <https://github.com/AndyV773/bcg-test/>
- Casino War style game developed using HTML, CSS and JavaScript: <https://github.com/AndyV773/random-game/>
- Ultimate Battleships game built using Python: <https://github.com/AndyV773/battleships/>
- Dynamic crypto social platform built with Django and PostgreSQL: <https://github.com/AndyV773/pp4/>
- Stock price predictive model using machine learning, Pandas, Matplotlib, Scikit-learn, Jupyter Notebook and Streamlit: <https://github.com/AndyV773/PP5/>
- Pricing calculator for a painting and decorating firm, built with HTML, CSS and JavaScript: <https://andyv773.github.io/price-calculator/calculator>
- Prototype daily check in app, created using JavaScript and API's for fetching blockchain data, sending transactions, and displaying real-time market data: <https://andyv773.github.io/app/>