Dave J. Horrocks

Full Stack Software Developer

👤 Profile

Personable software developer with an acknowledged ability to learn, communicate and interpret. Happy working both alone and as part of a team. Successful in applying problem-solving and analytical skills, developed in mechanical and electrical occupations, to software development. Innovative approach to problem-solving and a confident lateral thinker. Excellent communication skills, bridging the gap between varying levels of technical expertise. Always eager to continue personal development in a nourishing environment.

Confident in JavaScript and Python, supported by a high level of understanding and implementation of semantic HTML and CSS. Proficient with API development and maintenance, relational and non-relational databases. Experience with Docker, AWS, git and shell scripting. Contributor towards a number of repositories on GitHub, including the GitHub docs themselves. A passion for clean, WET-DRY code with clear, implicit intent and additional documentation where required. Very comfortable with scalable Agile methodologies and working practices. Confident with unit and integration testing. Experience with React, Django, DRF and Flask. Appropriating AI tooling to enhance development times and to explore alternative approaches.

💼 Employment History

Software Engineer
Code Institute - *Remote (Ireland)*   *Sep 2024 - Present*

- Develop and maintain UX-centric full-stack applications using JavaScript, Python, MySQL, MongoDB and a variety of front-end frameworks to meet user stories and operational requirements
- Model data for in-house APIs and analyse data structures for use in applications and reporting. Adhere to best practices for data management, including data integrity, security and performance
- Collaborate with cross-functional, geographically-diverse teams to provide added value via Agile workflows, including sprint ceremonies, reviews and retrospectives
- Implement and maintain CI/CD pipelines efficiently deploying to AWS and ensuring automated testing processes. Create and maintain unit and integration tests to ensure code quality and reliability
- Utilise git version control for collaborative development and pull request reviews. Work in local environments, test in staging, and deploy to production via versioned releases
- Work with microservices architecture to develop scalable and maintainable applications, utilising Docker for containerisation and deployment
- Develop automated solutions connecting multiple applications to streamline workflows and reduce human error

Technical Content Reviewer
Code Institute - *Remote (Ireland)*   *Feb 2022 - Aug 2024*

- Review, construct and deploy content for programming courses teaching HTML, CSS, Python, JavaScript, Django, React, APIs, MongoDB, PostgreSQL, Flask, AWS, Agile and software testing methods
- Write and deploy automated unit tests for coding challenges
- Drive exploration into implementation of AI tooling to assist workflows and reduce content development time by 60%
- Explore and test various cloud deployment and hosting services
- Create student-facing documentation for guides and walkthroughs
- Create and maintain Python-based system tooling
- Improve HTML accessibility across content
- Monitor bugs raised, resolve appropriately and communicate findings to stakeholders
- Develop and implement 'single source of truth' documentation and style guides to improve UI/UX for students and staff
- Contribute to git repositories through pull requests and code reviews

Sheet Metal Fabricator
Steel Frog Ltd. - *Weston-Super-Mare*   *Mar 2020 - May 2021*

- Reduce operation times by editing G Code files to speed up repetitive processes
- Update workshop layout to create a more efficient workflow
- Apply metalworking skills *(welding, grinding, polishing, etc.)*

Details

📞 Phone

- +44(0)7889173482

@ Email

- daveyj.dh@googlemail.com

Profile Links

- github.com/DaveyJH
- linkedin.com/in/davejhorrocks

✔ Skills

- Python
- JavaScript - ES6
- Semantic HTML
- CSS
- Unit Testing
- Integration Testing
- RegEx
- Docker
- Bash scripting
- AWS
- CLI
- git
- GitHub
- WET/DRY Code
- React
- Django
- Flask
- MongoDB
- MySQL
- Debugging
- Agile working
- ClickUp Verified
- Mathematical skills
- Analytical mindset
- Lateral thinking
- Problem solving
- Clear communication
- Detailed report writing

🏆 Achievements

- Code Institute Slack Channel Lead: JavaScript
- Code Institute Retro Gaming Hackathon: Third Place
- Code Institute Halloween Hackathon: Third Place
- Milestone Systems Certified Integration Technician & Design Engineer
- AutoSkills UK National Champion

Race Mechanic/Sales Prep
Copper Spark - *Nailsea   Mar 2019 - Mar 2020*

- Maintain and modify racing cars as required
- Maintain and repair light vehicles *(mechanical, electrical and aesthetics)*

Security Systems Engineer
Astron Fire and Security Ltd. - *Bristol   Apr 2015 - Mar 2019*

- Install, maintain and repair a variety of intruder alarm, fire alarm/life safety, staff attack, CCTV/IP video systems and access control equipment
- Accredited Milestone Systems design and installation engineer
- Program complex fire alarm and intruder alarm cause and effect logic with check controls
- Integrate between IP, digital and analogue systems
- Write detailed reports with findings, recommendations and equipment used/required
- Work in large teams as lead engineer and alone as independent worker
- Flexible working hours to suit business/client needs
- Travel/work internationally *(Europe)*
- Health and safety representative for engineering team within company

Further history available on request

🖳 Courses & Extracurricular

Data Analytics with Artificial Intelligence - Code Institute   *Current*

- Machine Learning
- Natural Language Processing
- Power BI and Tableau
- Data preparation & ETL
- Data visualisation
- Data analysis, ethics and storytelling
- AI tools and applications

Diploma in Full Stack Software Development - Code Institute - **Distinction**
Accredited by the University of the West of Scotland - RQF Lvl 5

- Technical Content Writer for Code Institute Blog
- HTML/CSS Portfolio Project - Distinction
- JavaScript Portfolio Project - Distinction
- Python Portfolio Project - Distinction
- Full Stack Portfolio Project (Django) - Distinction
- React front-end Portfolio Project with DRF Database

codewars.com

I have successfully completed over 250 Kata, often choosing JavaScript or Python as the solution language, and continue to enjoy the challenge and educational benefits of tackling more. I am currently in the **top 5%** of all users of the site (over half a million users).

🕶 Hobbies and Interests

I enjoy playing card and board games, and solving puzzles. I play a few video games and hope to make more of my own in the future. My first coding exposure was working with C# in Unity, creating a basic 2D platform game. I am a member of a local darts team - I am better at scoring than throwing! I like to walk and am always happy maintaining my, and my friends', vehicles.

👤 References

- Professional recommendations available on LinkedIn
- Personal and professional references available on request

Thank you for your consideration