JOHN BARKER

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LinkedIn:https://www.linkedin.com/in/johndurackbarker/ | Portfolio:https://dandycodes.github.io/portfolio/ |
GitHub: https://github.com/DandyCodes

Software Developer with a Certificate in Full Stack Web Development from the University of Western Australia and a background in electronics, communications and linguistics. Strengths in JavaScript, MERN, PWAs, ORM/ODM/backend frameworks, frontend frameworks, and responsive, mobile first web design. An excellent communicator whether teaching others or being mentored, with a genuine passion for coding and solving problems. Able to leverage diverse experience to liaise effectively and empathetically with stakeholders of all backgrounds.

TECHNICAL SKILLS

Languages: JavaScript ES6+, CSS3, HTML5, MySQL, C#, Python
Applications: Git CLI, Jest, GitHub, GitLab, Bash, Unity, Godot
Tools: Mongo, Express, React, Node, Sequelize, Handlebars, jQuery, Bootstrap, Bulma, Third-party APIs

PROJECTS

Headquarters | https://github.com/Robert-Rousset/headquarters | https://safe-beach-27101.herokuapp.com
- Summary: A full stack productivity app with to-do lists, pomodoro timer and motivational resources. Employs authentication and server side storage.
- Role: Co-author, frontend scripting, backend ORM.
- Technologies: Express, MySQL, Sequelize, HTML, CSS, JavaScript Handlebars, Bulma, Heroku

Gifta | https://github.com/DandyCodes/gifta | https://dandycodes.github.io/gifta/
- Summary: A powerful yet simple charity locator which suggests nearby not-for-profit organisations based on the item the user wishes to dispose of.
- Role: Co-author, API implementation, frontend scripting.
- Technologies: HTML, CSS, JavaScript, jQuery, Bulma, APIs: MediaWiki, Google Maps & Places

Weather Dashboard | https://github.com/DandyCodes/weather-dashboard | https://dandycodes.github.io/weather-dashboard/
- Summary: A dynamically updated weather dashboard using OpenWeatherMap.
- Role: Sole author
- Technologies: HTML, CSS, JavaScript, OpenWeather One Call API.

EXPERIENCE

Software Developer   **Sep 2021 - present**
Unified Systems   **Perth, WA**
- Python backend development - FastAPI, Pydantic, SQLAlchemy, SQLModel, Oso Authorization
- JavaScript frontend development - Vue.js, SVG, Vega/Vega-Lite
- Technology selection and assisting with architectural design

Web Development Intern   **Jan 2021 - Aug 2021**
Dapth   **Perth, WA**
- ASP.Net development and API integration
- Frontend JS scripting and CSS styling to client specs
- Managing content, HTML templating, custom data and tasks in Kentico CMS
- Jira support and testing

EDUCATION

Certificate, Full Stack Web Development – University of Western Australia   Perth, WA
Bachelor of Communications/Linguistics – University of Western Australia   Perth, WA