

# David Perich

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## Profile

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I'm a full stack software engineer in Melbourne, Victoria with experience in Node/JavaScript, Ruby/Rails, Docker, Kafka, React.js, and PostgreSQL. I am the co-creator of Venice [🔗](#), an open-source framework for deploying and managing stream processing pipelines for small event-driven applications.

## Professional Experience

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| 01/2020 – present<br>Melbourne, Australia | <b>Venice, Co-Creator   Software Engineer</b> <a href="#">🔗</a> <ul style="list-style-type: none"><li>• Developed a containerised back-end infrastructure with Docker, consisting of: Apache Kafka, Zookeeper, Confluent Schema Registry, Kafka Connect, ksqldb, Kafka Connect, PostgreSQL server, and Kafdrop</li><li>• Created a Node.js CLI to abstract and streamline the setup and management of event-stream processing pipeline.</li><li>• Used bash scripts to automate pipeline startup in containers, and to address race conditions between components in the pipeline</li><li>• Developed event producers in Python, Ruby and with the Twitter API as prototypes and motivating examples.</li><li>• Analysed event-stream processing eco-system to determine optimal components and configurations for small applications.</li><li>• Co-wrote engineering case study on the development of Venice <a href="https://venice-framework.github.io/">https://venice-framework.github.io/</a></li></ul> |
| 06/2018 – 12/2019<br>Melbourne, Australia | <b>Self Employed, Full-Stack Web Software Developer</b> <ul style="list-style-type: none"><li>• Built a project management app similar to Trello with React/Redux and Rails</li><li>• Built a social news and discussion application with Rails, PostgreSQL, and JavaScript</li><li>• Built a personal task management app with Sinatra, PostgreSQL, and Handlebars.js</li></ul>  |
| 10/2016 – 12/2019<br>Perth, Australia     | <b>Knowledge Society, Senior Consultant</b> <ul style="list-style-type: none"><li>• Led transformation projects for clients in government, education, aged-care sectors.</li><li>• Led data analytics capability, translating data into actionable insights for major projects.</li><li>• Other responsibilities: agile project management, workshop facilitation, client management.</li></ul>   |

## Education

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| 06/2018 – 11/2019<br>Remote        | <b>Launch School, Software Engineering &amp; Full-stack Web Development</b> |
| 10/2015 – 07/2017<br>Perth, WA     | <b>University of Western Australia, Graduate Certificate Social Impact</b>  |
| 08/2008 – 12/2010<br>Milwaukee, WI | <b>Cardinal Stritch University, Bachelor International Business</b>         |

## Skills

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### Front End

HTML, CSS, JavaScript, React/Redux, jQuery, Bootstrap, Handlebars.js

### Back End

Ruby, Ruby on Rails, Node.js, Sinatra, PostgreSQL, RESTful APIs

### Other

AWS, Kafka, Docker, Git/Github, Linux, Docker-Compose