

# Steve Torrens

## SUMMARY

I am a software developer with a background in mechanical engineering, business operations and policy. I strongly value, and will help, facilitate team collaboration and great working relationships. I am persistent and able to quickly overcome challenges using my strong problem solving and communication skills.

## EDUCATION

University of Victoria  
2007

Post Graduate Diploma in Public Policy

University of Auckland  
1994

Master of Engineering with Distinction

University of Auckland  
1992

Bachelor of Engineering (Mechanical) with First Class Honours

## SKILLS

Programming languages :

Ruby, JavaScript

Tools and web technologies :

Ruby on Rails, React.js, Redux.js, JQuery, Node.js, Knex.js, Express.js, Webpack, SQL, Git, Heroku, HTML5, CSS3, Bulma, Jest, Minitest and Rspec

People and teamwork :

Proven success with building relationships, collaborating within and between teams, with a diverse set of people and organisations.

Communication :

Able to provide written advice clearly, concisely and in an engaging manner. Experience in presenting to senior management, customers, public forums and for training courses.

Self-management :

Excellent organisational skills. Can manage multiple competing demands, identify the important from the urgent, set goals and track performance.

## EXPERIENCE

Glimp

July 2018 – Nov 2018

Full stack web developer

- Remote, self-directed, web development for a small start-up. Worked on Glimp's Australian utilities comparison website.

- Design, development and set-up of internal APIs and backend database to deliver utilities comparison search results.
- Developed business logic to calculate comparative annual costs for different electricity and gas retailers, taking into account different tariff types and energy consumption patterns across Australia.
- Rapidly upskilled to learn Glimp's stack, which included Ruby on Rails, Postgres, Javascript, JQuery, HTML, CSS and Git.
- Model and controller testing using Rails Minitest.
- Practical, intensive training in full stack web development. This was a learning-by-doing environment with around 900 hours of coding.
- The Academy replicated a real-life environment with tutors acting as senior developers and learning through pair programming and small team projects.
- Strong emphasis on human skills and working in teams using agile development techniques.
- Final group project was a full stack budgeting application designed for mobile use. Node-Postgres backend with a React-Redux frontend.

**Enspiral Dev Academy**  
*March 2018 – May 2018*

**NZX Limited**  
*Jul 2013 – March 2018*

**Energy Operations Manager**

- Responsible for the on-going delivery of critical wholesale electricity market operations for the Electricity Authority. Managed the day-to-day relationship with the Authority's market operations team and projects team.
- Business owner of five complex, bespoke, IT systems used to support market operations. Involved development of product strategy, road mapping, scoping costs and resources for system changes, overview of product backlogs, project management of small system changes and provision of business insight and expertise.

- Significant contributions as business owner and business expert for a project to upgrade key market systems and for a novel project to optimise the selection of extended reserves applying advanced optimisation techniques.
- Manager for a team of six analysts including coaching, task prioritisation, goal setting, encouraging a strong team culture and personnel development.
- Major contribution to a successful bid to retain the four market operation roles for NZX. Involved in bid strategy, tender response and solution design.

#### NZX Limited

*May 2011 – Jun 2013*

#### Senior Energy Analyst

- Responsible for the delivery of wholesale electricity market operations on behalf of the Electricity Authority. First port of call for the escalation of operational incidents.
- Completed a significant project to update and improve operational procedures and processes.
- Trained and successfully integrated four new analysts into the NZX energy team.
- Hands on trouble shooting of major one-off operational incidents, including significant industry disputes.

#### Energy Efficiency and Conservation Authority

*Jul 2005 – Apr 2011*

#### Senior Advisor / Policy Analyst

- Specialist policy analysis focusing on electricity and gas sector issues relevant to energy efficiency and renewable energy.
- Maintained an effective working relationship with a diverse range of public and private sector organisations.
- Providing informed, high quality, advice to other government agencies. Included preparing public submissions to on complex electricity sector issues

- Major contribution to analysis supporting the development of the 2007 New Zealand Energy Efficiency and Conservation Strategy's renewable energy targets.

Energy Efficiency and  
Conservation Authority  
*Jan 2004 – Jun 2005*

#### Technical Engineer

- Technical advice and support to the government's Negotiated Greenhouse Gas Agreement programme.
- Technical support to EECA's business programmes. Included review and evaluation of Crown Loan applications.
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Process Developments  
*Nov 2001 – Dec 2003*

#### Senior Mechanical Engineer

- Engineering design and contract management for an engineering consultancy servicing dairy and other process related industries in New Zealand.
- Detailed design of piping systems to knit together major new plant into existing industrial facilities.

Symonds Power and Energy /  
Fortum Engineering  
*Sep 1998 – Sep 2001*

#### Senior Mechanical Engineer

- Engineering design, specification and tender preparation for a UK based engineering consultancy specialising in bespoke industrial electricity and steam generation plant.

European Gas Turbines  
*Oct 1996 – Sep 1998*

#### Mechanical Applications Engineer

- Engineering design, specification and contract management for a UK based manufacturer of gas turbine generators.

DesignPower New Zealand  
*Nov 1993 – Jul 1996*

#### Engineer

- Engineering design, specification and feasibility studies for an engineering consultancy owned by ECNZ and specialising in power generation.

## REFERENCES

References will be supplied on request.