

# John R. Marquard

Greenwich, 2065, Sydney, NSW

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I am a multidisciplinary Software Engineer who enjoys challenging work and contributing to interesting real-world projects. I take pride in my interpersonal skills, adaptability, attention to detail, approach to business problems, and curiosity.

## Career Experience

### Software Engineering Lead/Manager at Employsure (March 2021 - Present)

*In addition to details from the Software Engineer role below.*

#### Responsibilities

- Role split between Engineering & Management (60/40%)
- Managing internal projects and representing company to externals
- Hiring & Onboarding

#### Technical

- (*In addition to below*): CDK, Twilio, Sendgrid, Rollbar, Tableau

#### Projects

- Email platform for client comms (AWS + GCP + Sendgrid + Tableau)
- Twilio Integration to Salesforce (Apigee + AWS)
- Inter-Salesforce orgs data syncing/consistency (SF + BigQuery + AWS)

### Software Engineer at Employsure (August 2018 - March 2021)

#### Responsibilities

- Prototyping, architecting, and developing bespoke applications
- Leading cross-department projects and initiatives
- Building integrations between applications/services
- Supporting and maintaining projects
- R&D of creative ideas and solutioning

#### Technical

- Languages (and related) – Typescript, Python, NodeJS, SQL
- Services/Platforms – AWS, GCP, Docker, Bitbucket Pipelines, Salesforce, Purecloud
- Libraries/Packages – axios, beautiful soup, pandas, numpy, scikit-learn
- Dev Tools – git, serverless, jupyter, mocha/chai, unittest
- Other Tools – Atlassian Suite (Jira, Confluence, Bitbucket)

#### Favourite Projects

- Architecture + API for leads submission with data validation, deduplication, campaign tracking, and statistical analysis features.
- Data modelling of client data to find retention trends and estimate client retention probability.
- Automated employee provisioning between enterprise platforms.
- UI improvements for client account provisioning for CX teams.
- Automatic verification and validation of internal documents against online data sources.

Achieved goals: reduce errors, improve process efficiency, speed up delivery to clients.

- Slack framework to integrate slack apps + slash commands easily with our microservices and API.
  - Mailchimp integration with Salesforce to improve customer's marketing experience and ensure legal compliance.
  - Ga+GoogleAds, Salesforce, Telephony, and BigQuery integration to provide tailored lead conversion metrics for our Marketing team.
  - Internal shift management and approval app suite (Power Apps, Power Automate, Sharepoint, BigQuery, AWS)
  - Simple multi-channel telephony demo (Facebook, SMS, Twilio, Salesforce)
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## Other Experience

- Data Science Course at General Assembly Sydney (March 2019 - May 2019)
- Teacher's Assistant at Code Camp (Nov 2017 - Jan 2018)
- Senior Sales Assistant at BWS (November 2015 - August 2018)
- Manager for the AnimeSydney bands (2015 - 2018)
- Group Coordinator at Sydney's SMASH! Convention (2014 - 2016)
- Embedded Systems Engineer at BLUEsat, a UNSW Engineering society (2014 - 2015)
- Technical Service Representative at Global Gossip (July 2014 - February 2015)
- Assistant Warehouse Manager at Freedom (December 2013 - June 2014)
- Freelance local IT work in my suburb (2012 - 2014)

## Personal Projects

- **Mazerunner** - *Java*
  - Roguelike maze game (generated levels, 'infinite design', AI entities)
  - Responsible for game engine, lighting, scrum management
- **Scrumptious** - *Javascript, Node.js, React, Firebase*
  - Scrum development management web application
  - Worked on UX, asynchronous programming, project management, NoSQL design

## Other Skills

- Security analysis, reverse engineering, digital forensics, cryptography
- Software development, programming (C, Java, Javascript, Python), embedded, OS
- Time management, effective teamwork, strong communication, critical review
- Project management, administration, and logistics

## Links

- GitHub: <https://github.com/jrmarquard>
- LinkedIn: <https://www.linkedin.com/in/johnmarquard/>
- Website: <https://johnmarquard.me/>

## Education

Bachelor of Computer Engineering at UNSW.