

NICHOLAS ANG

Education

Master of Information Technology – Swinburne University VIC Jul 2021 – Jun 2023

- UNIHACK Sponsorship Officer, Web Dev, Data Management, Algorithms and Data Structures.

Software Development Bootcamp – Le Wagon VIC Jul 2021 – Sep 2021

- Ruby, Ruby on Rails, JavaScript, HTML, CSS, SQL, Git pull requests.

Bachelor of Chemical Engineering – Curtin University WA Feb 2011 – Sep 2015

- First Class Honours, Engineering Excellence Scholarship 2011 – 2015.

Projects

Movie Watch List – Heroku Web application to bookmark movies to watch - [link](#)

- Utilised Ruby & Rails to create movie lists in a PostgreSQL database using the moviedb's RESTful API.
- Wrote a rake test file to verify the program was working as intended.
- Leveraged knowledge: Ruby, MVC, HTML/CSS, Test Driven Development, SQL, Active Record, OOP.

Saver – Customizable all in one productivity app – [link](#)

- Ongoing project to create a web application where users can place customizable widgets such as to-do lists, calendars, weather, sticky notes and Kanban boards on an empty dashboard.
- Currently in the conceptual planning stage working in a continuous delivery team.
- Leveraged knowledge: Agile methodology, CI/CD, Ruby on Rails, SQL, JavaScript, HTML/CSS.

AWS Early Careers Innovation Program – Amazon Web Services 8-week design project

- Weekly workshops on AWS services such as S3, EC2, Lambda, Cloud9, RDS (Aug – Oct 21).
- Working in teams to prepare a solution to a case study (Sep – Oct 21).

Professional Experience

Technical Manager/Technical Specialist – Holcim Concrete SA/VIC Sep 2018 – Jun 2021

- Promoted in 2021 to independently manage technical services across the South Australian region.
- Created an Excel tool that reduced the traditional 4-hour long cement optimisation process into minutes with higher detail and accuracy that saved more than \$500,000 a year.
- Reduced customer complaints by 50% by leading communications and building client relationships.

Graduate Engineer – Holcim Aggregates QLD/VIC Jan 2017 – Aug 2018

- Utilised 5S, lean six sigma and Kaizen analytics in a project team to improve OEE and production inefficiencies which successfully saved up to \$1 million yearly and introduced new technologies.
- Autonomously developed a power query dashboard to increase reporting speeds by 100%.

Project Engineer – Fabricor Industries WA May 2015 – Dec 2017

- Assisted with the maintenance of the company website and added features like a navbar, activity feed and site layout improvements using JavaScript, Bootstrap, HTML and CSS.

Skills

Languages: Ruby (proficient), HTML/CSS (proficient), JavaScript/Node.js (intermediate).
Technologies: Ruby on Rails (proficient), SQL (intermediate), React.js (basic), AWS, Git.