Leonard McDonald

SOFTWARE FULL STACK DEVELOPER

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***About Me***

I am a recent graduate (2024) of a Bachelor of IT from RMIT University with a solid foundation in software development, full-stack web development, advanced programming techniques, project management methodologies, & cloud computing. I am deeply interested in technology that satisfies my desire to problem solve and dedicated my free time to self-driven projects, including games, tools, & various software solutions alongside my academic journey. I have strong interpersonal skills, love to critically think & flourish in diverse environments.

***Education***

Bachelor of Information Technology (Software), RMIT University Graduated in Feb 2024

***Technologies & Tools***

Python · Java · C# · ASP.NET core · C++ · HTML · JavaScript · CSS · PHP · React.js · Redux · Jinja · NodeJS · Tailwind · MySQL · PostgreSQL · Azure API · Boto3 · Git · Jira · Trello · Docker · Postman · PgAdmin4 · Google Cloud Platform (GCP) · Amazon Web Services (AWS) – Amazon EC2 · AWS Elastic Beanstalk · AWS Lambda · AWS API Gateway · AWS S3 · Amazon DynamoDB · AWS Poly

***Project Experience***

Showcase: <https://lenover12.github.io/portfolio>

**Product Tracking Reactive WebApp**

As part of my Bachelor of IT capstone group project, our group collaborated with a client over 13-week sprints to independently develop and deploy a reactive web application. Our project focused on scraping and tracking product prices across retail websites over time. With our strong teamwork, communication, organisation, and problem solving skill we received the grade of 92%

* Technologies: ASP.NET, C#, JavaScript, React, Redux, Tailwind, PostgreSQL, Git, Trello
* Role: full-stack developer
* Developed API endpoints, frontend pages, and components.
* Integrated database functionality using Entity Framework
* Implemented secure user authentication via ASP.NET Identity
* Utilized Scrum and Agile methodologies for client-driven web crawler project.
* Conducted weekly client meetings and daily stand-ups.
* Product Demonstration: <https://youtu.be/ywq7_cqAu7Y>

**Live Lip Sync in Minecraft** (Python)  
Created a set of Python programs which provisioned MediaPipe Face Mesh Landmark technology and utilized Remote Console to send mouth shape information over the network to a custom game server to further process the data into real time lip sync on the player character.

**Language Translation program** (Python) – *Azure API · Machine Learning Models · Libraries*

Created a language translation program for 120 languages beyond Google Translate’s capabilities, utilizing AI translator models, docker containerisation, Azure API, JSON dictionary matches, and translate library to create translation code lookup tables.

**TeamTrees MC / TeamSeas MC** (Java / McFunction)   
Custom server via Linux CLI in Digital Ocean (IaaS) running MCFunction datapack code creating new game modes in Minecraft, linked to the TeamTrees and TeamSeas charity pages.

***Work Experience***

Woolworths Group, Melbourne CBD, VIC / Tewantin, QLD

Fresh Department *–* Staff training, barista, product ordering2019 - Present

Service & Office – cash monitor, inventory management, customer satisfaction.

Produce Department – *2IC Role*, price planning, staff management. 2013 - 2015

Vatos Restaurant, Itaewon, Seoul, South Korea 2018

Floor Staff – *Server working in a diverse multilingual environment.*

CamFix & Domaine, Tewantin, QLD 2017

Contract handyman– working *for senior citizens.*

Helens English School, Sumida-ku, Tokyo, Japan 2016 - 2017

English Teacher – *IELTS prep, Business English*

***Qualifications***

* Bachelor of IT (Software) | RMIT university 29/02/2024
* Agile ways of working | RMIT university 19/03/2021
  + <https://www.credly.com/users/leonard-mcdonald/badges>
* TESOL | Australasian Training Academy 30/12/2016