**Edric Mendoza**

+61 412 478 324 – [edjomendoza@gmail.com](mailto:edjomendoza@gmail.com) – [LinkedIn](http://www.linkedin.com/in/edric-mendoza-67818193)

**CAREER OBJECTIVE**

Seeking a mid-level software engineering role where I can leverage my experience in designing and implementing full-stack web components. I value writing robust, reusable, and extendable code. And continuously learning about new technologies and workflows that uplift my team and work.

**EDUCATION**

**Bachelor of Software Engineering (Honours) Nov 2023 Graduating**

**Diploma in Professional Engineering Practice**

**University of Technology Sydney**

* Coursework: software engineering, electronics, networking, security, signal processing, embedded software

**TECHNICAL SKILLS**

Languages C/C++, Java, SQL, C#, MATLAB, React, Angular, CSS, HTML, JavaScript, VHDL

Databases Postgres, SQLserver (fourth colour goes here!!)

Systems Windows, Linux (Red Hat, Ubuntu)

Software pgAdmin, MCUExpresso, Android Studio, Quartus Prime (Lite)

Hardware NXP Freedom K64 Hardware (FRDM-K64F), Cisco switches/hubs, Altera Cyclone IV

VCS **Git**, TortoiseSVN

**EXPERIENCE**

**Software Engineer Jan 2022 – Present**

**Abyss Solutions Pty. Ltd.**

* Delivered key functionalities to a web app that improved the turnaround time of another teams’ work by 400%
* Quickly mocked up prototypes necessary for engaging stakeholders
* Proposed and developed a creative solution to a data problem the company had
* React, nextjs, nestjs, gql, mongo, threejs

Key achievements: Ideated and built an ML data tool app for our hackathon, helped build key product for the business from the ground up

Key learnings: working with the design team, planning work, estimating work, debugging code, computer graphics

**Junior Software Developer Apr 2020 – Jul 2021**

**SeaLadder Pty. Ltd.**

* Designed and implemented full-stack solutions using **SOLID** principles, **microservice** architecture, and **RESTful** API’s.
* Developed code with **test driven development** using xUnit, Jasmine, Karma combined with the Spectator library.
* Tech stack: **Angular**, ASP.NET, Postgres, Azure

**SOFTWARE PROJECTS**

**Web app for learning guitar positions Nov 2019 – Feb 2020**

<https://edric-m.github.io/chordsscales>

* Developed a single page application that aims to aid guitarists learn chords and scales through a dynamic fretboard display.
* Achieved real-time audio analysis on a shared thread while avoiding significant event loop blocking.
* Applied the **Fourier Transform** to analyse recorded audio data to listen for musical pitches.
* Designed an animated menu that reorders itself based on its inputs.
* Utilised: **ReactJS**, node.js, npm, CSS, HTML, GitHub, Media Streams API, Visual Studio Code, react-router, react-spring, create-react-app, Discrete Fourier Transform

**TRANSFERRABLE SKILLS / soft skills**

**Communication** – Worked as a tutor for basic computer skills at Karabi Community Services where I had to communicate technical concepts in a way that is easy to understand. Gained valuable experience from various group projects.

**Teamwork** – Team leader in a semester long software engineering project in which our team achieved a high credit. Constantly improving this through my work at SeaLadder.

**Problem solving** – Understanding how to analyse audio signals through a web app. Developed throughout my degree, being consistently challenged with physics, calculus, and software design problems.

**Willingness to learn** – Learnt react, angular, modern web development in my own time to work on side projects. Made my first app from scratch and achieving my goal of launching it on Googles Play Store. Always trying to improve myself outside of university through work or side projects.

**REFEREES**

Available upon request