Ryan Cameron
Software Professional

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CAREER SUMMARY

With six years of experience as an Engineering CAD technician, specializing in Computer-Aided Design (CAD) software, I have seamlessly transitioned into a leadership role as a CAD team manager for the past three years.. Now seeking a career shift, I am dedicated to leveraging my qualification from the Institute of Data and AUT to advance my skills in software engineering, an area I have been passionate about for quite some time. I enjoy complex situations that require a lot of problem-solving, making the diverse opportunities in Tech an ideal fit for my interests and abilities.

KEY SKILLS

Software Development Skills
- Front-end development: HTML, CSS, JavaScript, typescript , Figma, Bootstrap , React
- Back-end and web develop: Node.js, React , Next.js
- Database design: MongoDB, MySQL, Redis
- API development and testing: Postman, Bruno
- Software deployment : AWS
- Docker ,Mermaid ,Github , C#

CAD Software
- AutoCAD
- Revit
- Inventor
- Cadworx
- Pryda Build 4
- Solidworks
- Rhino3D

Soft Skills
- Communication and collaboration
- Technical aptitude
- Creative, with end user in mind
- Growth mindset and desire to learn
- Critical and analytical thinking
- Client interaction/communication
- Project and time management

EDUCATION & QUALIFICATIONS

2023 - 2024
AUT/Institute of Data
Software Bootcamp – Professional Certificate in Software Engineering
- Software Development Principles
- API Development and Integration
- Javascript Programming
- Front End Development
- Back End and Full Stack Development
- Interactive Web Design
- Web Design with React II

Mini Projects: Backend of fitness app , Frontend of Judo club website
Capstone Project: Fullstack website of judo page with Exercise generator

CERTIFICATIONS

Quality Assurance in Construction	12/2022
AutoCAD Fundamentals	06/2017
Revit Architecture Fundamentals 2016	06/2016

WORK EXPERIENCE

Unex Systems 08/2021 - Current
CAD Technician & CAD manager
      Responsibilities:
- Create 3D models and generate fabrication drawings based off client information and communication with external parties such as engineers and architects.
- Manage a team of 10 CAD technicians, ensuring deadlines are met and doing quality control checks of drawings before release.
- Assist with quoting for new developments and product development for standard components

      Achievements:
- Decreased CAD errors by implementing QC protocols and having projects completed before planned release date.
- Developed a cost effective solution for a new product design

Red Stag Timber 03/2021 - 08/2021
Frame & Truss Detailer
      Responsibilities:
- Create 3D models and drawings for the fabricators to manufacture timber frames and trusses.
- Learning a new software for CLT and creating manufacturing files/drawings
- Interacting with clients, engineers, architects
- Training a junior in the new software for CLT

      Achievements:
- Gained proficiency in a new software and taught a junior technician how to use it.

Metalwerks 11/2018 - 08/2021
CAD Technician & Workshop Manager
      Responsibilities:
- Create 3D models and drawings for the fabricators, briefing them on material requirements and guiding installation.
- Quoting for projects, ordering material/consumables, ensuring deadlines are met.
- Interacting with clients, engineers, architects to ensure the end result is achieved as expected.

      Achievements:
- Increased overall output from workshop with improved processes.
- Increased release of quotes with a more modern quoting system

HOBBIES & INTERESTS

Outside of time with my fiancé and daughter, I enjoy testing my technical abilities with coding projects and learning different coding languages. I have also become proficient in 3D Printing practical components that I have designed.

When I'm not in front of a screen, I am either working on my motorbike or in the dojo where my fiancé and I coach Judo.
We coach children and adults with the goal of making it a family environment, this was also the inspiration of my Capstone project in my IOD software engineering course.

I like doing difficult things because it teaches me a lot about what I am trying to do but also teaches me a lot about myself as an individual. Being stagnant and not having a challenge to face every day is a big fear of mine, having this mindset of always learning and growing is what drives me to develop who I am professionally and personally.