

Resume - Adam Roddick

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Career Objective

I aspire to work as a backend software developer, and I am actively seeking opportunities in this field. I am passionate about creating high-quality products through writing code and enjoy tackling complex problems. Being part of a collaborative team that works towards a common goal is fulfilling for me. Staying up-to-date with the latest technologies and trends in software development is also a keen interest of mine, and I enjoy continuously learning and improving my skills.

Skills Summary

Problem Solving

While working on a university project to design a game, my team encountered a problem with the game mechanics. To resolve it, I analysed the mechanics, brainstormed with my group members, and researched potential solutions. After evaluating various solutions, we implemented a new game mechanic and tested it rigorously. By applying my problem-solving skills, we successfully created a fun and engaging game that met the assignment requirements, and we received high marks for the project.

Time Management

During a project with a tight deadline, I managed my time effectively by creating a detailed plan, prioritising tasks, breaking them down into smaller sub-tasks, and monitoring progress regularly. By applying good time management skills, I completed all the tasks on time, within the project's scope and budget. The project was delivered on time with high quality, satisfying the stakeholders.

Development

I once designed a game on my own for a university final project, applying my development skills effectively. To design the game, I identified the key requirements and began developing it using the programming language required, Processing. I regularly tested the game, making changes and improvements to meet requirements and ensure it functioned correctly. By applying my development skills, I passed the assignment with a high grade and felt confident in my abilities.

Mentoring

As a programming tutor in university, I mentored students with varying levels of experience in the subject. To be an effective mentor, I assessed each student's skills and knowledge and tailored my explanations to their understanding. I also provided additional resources to help them grasp the concepts and addressed their queries. Through my mentoring skills, the students were able to complete their assignments and improve their confidence in the

course. As a result, I received expressions of gratitude from many of them, and my own skills as a mentor were further refined.

Work Experience

Academic Tutor - VUW

2022 - Current

Team Member - KFC Upper Hutt

2021 - Current

Education

Bachelor of Engineering (Honours)

Software Engineering Major

Victoria University

2021 - Current (Graduating 2024)

Technical Skills

Java

- Gained experience in object-oriented programming by developing a game with a GUI and object oriented design for several university projects.
- Also have experience using java in a group collaborative setting with several university group projects.

Python

- Gained an understanding on python web server applications through a university group project.

Other languages I have experience in: C, C++, SQL.

Project Experience

Chaps Challenge Game Design Project - 2022

As a member of a team in a university group project, I participated in recreating the classic game "Chaps Challenge" from scratch using Java. Working alongside five others, we achieved success by meeting the deadline and fulfilling the requirements of stakeholders. My main responsibility was to design the backend of the game, which involved maintaining the state of the game. By utilising my Java object-oriented programming expertise, I developed a reliable and scalable solution that met the stakeholder's requirements. Alongside this, I actively contributed to the overall project by effectively managing my time and engaging in clear communication with my team members.

Key tools / skills:

- Java - Object-oriented programming,
- Time Management,
- Communication Skills.

This project provided an excellent opportunity for me to exhibit my critical thinking skills, work collaboratively, and come up with creative solutions to problems. Additionally, it gave me significant experience working in a team setting, a crucial aspect of any professional setting. I am confident that the skills I gained from this project will be transferable to future endeavours, and I will be a valuable addition to any team.

Link to the project mentioned above: <https://github.com/AtomicUniverse/Chaps-Challenge>

Data Recorder Project - 2023 (Current)

Currently, I'm part of a 20-member team that is developing software for a data recorder device. My focus is on securing the recorded data by leveraging my skills in web server development and cybersecurity. Working in sub-groups, I collaborate with my team members to meet stakeholder requirements and manage the project to ensure timely delivery of a quality product. This project provides a great opportunity to showcase my abilities and gain experience in a professional team environment. The skills I'm developing will be valuable assets in the future.

Key tools / skills:

- Web Server Development,
- Cybersecurity,
- Project Management.

This project has provided me with an excellent opportunity to showcase my team-working, critical thinking, and problem-solving skills. Through this project, I've honed my web server development and cybersecurity skills, which are vital in the tech industry. I'm confident that the experience gained from this project will prove invaluable to my future endeavours. Looking forward, I'm eager to contribute meaningfully to the success of this project. Working on this project has allowed me to grow professionally and build my confidence, and I am excited to apply my newly acquired skills and knowledge to take on new challenges and make valuable contributions to future projects.

Interests

Other than my interest in programming, I enjoy playing Tennis in the summer as well as video games, more specifically strategy game, some of my favourite strategy games are Paradox titles.

References

Shah Ali
Upper Hutt Store Manager
KFC
27 578 3911

Simon Rawalai
Upper Hutt Assistant Restaurant Manager
KFC
27 511 1336

The general manager of the restaurant I worked at whom was incharge of the store.

My manager who I most frequently worked with.