Darcy James Studdert

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Resourceful and dedicated with demonstrated commitment to provide high quality work. Highly competent communicator skilled in multitasking and effectively communicating with others. Committed to utilising my skills to further the mission of a company.

SKILLS

C++ | C# | Java | React | .NET | CSS/HTML | TypeScript | MicrosoftSQL | Github | Jira | Linux
Team Player | Attention to Detail | Continuous Learner | Time Management

PROFESSIONAL EXPERIENCE

Newton Green
Junior Software Engineer

Jan 2025 - Present

Key responsibilities
- Developed and maintained the front-end using React.js, improving UI performance and user experience.
- Fixed bugs and implemented solutions to enhance application stability and functionality.
- Worked in C# to develop and optimize back-end services, handling RESTful integration
- Designed and optimized SQL databases, writing stored procedures (SPs) and functions to improve query efficiency.

Achievements
- Resolved critical bugs in a timely manner, improving application stability and reducing downtime.
- Wrote clean, maintainable, and well-documented code, following best practices and coding standards.

Guzman y Gomez
Line Worker/Kitchen Hand

Feb 2020 - Jan 2025

Key Responsibilities
- Addressing customer needs efficiently and professionally.
- Following processes to maintain high product and service quality.
- Collaborating with coworkers to maintain workflow and meet goals.

Cyber Suite
Data Breach Reviewer

Oct 2024 - Present

Key Responsibilities
- Conducted document reviews as part of data breach response projects to identify impacted individuals.
- Ensured confidentiality and data privacy while adhering to strict protocols and working independently from a remote environment
- Gained hands-on experience with live incident response scenarios, contributing to real world cyber security operations.

SOFTWARE PROJECTS

Travelling Salesman Problem Solver using Dynamic Programming and Hill climb Heuristics
Java

Leveraged critical thinking to architect efficient algorithms, including dynamic programming algorithms and hill climb heuristics, optimizing solutions with ingenuity and precision.

Tissue Bank
.Net, React, Sql Server
Developing a comprehensive solution for the Breast Cancer Trials team to streamline tissue sample data consumption.
- Designed and implemented a RESTful API to efficiently transfer tissue sample data from an external database into a local data warehouse.
- Building a React-based web application to enable fast and intuitive filtering of tissue samples for research and analysis.
- Ensuring data integrity, performance optimization, and seamless integration between the backend and frontend systems.

SpotLify
React, Typescript, Vercel
Engineered an interactive music-quiz web application using React and TypeScript, deployed on Vercel.
- Integrated the Spotify Web API to dynamically fetch random tracks and metadata.
- Designed and implemented intuitive gameplay with real-time audio playback and user guessing mechanics.
- Built secure API authentication flows and managed complex state handling in React for seamless user experience.

Database Managment System
Microsoft SQL
Develop an initial database design which was then normalised using Boyce-Codd Normalisation, developed SQL scripts that fit the parameters of the database.

EDUCATION & CERTIFICATIONS

Diploma in I.T
Graduated 2022 Univeristy of Newcastle

Bachelor of Software Engineering
Expected Graduation 2026 University of Newcastle

VOLUNTEER WORK

Derawan Ocean Cleanup, Volunteer

- Participated in a team-based initiative aimed at preserving marine ecosystems and promoting environmental sustainability.

- Collaborated effectively with diverse team members to coordinate cleanup operations and maximise impact.

- Utilised problem-solving abilities to address challenges encountered during cleanup activities, such as logistical issues and resource management.

REFERENCES

Available Upon Request

ADDITIONAL INFORMATION

Languages - English, Indonesian, Malay,