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SUMMARY

Recent Master of Information Technology graduate from Whitecliffe College, with prior commercial experience building distributed backend systems in a production environment. Looking for a graduate or early-career software engineering role in New Zealand where I can contribute technically, keep learning, and grow with a team over the long term.

EDUCATION

Master of Information Technology — Whitecliffe College, New Zealand

November 2024 – April 2026

- Core Focus: Cybersecurity, Cloud Infrastructure, Data Analysis, and Information Security Standards

Bachelor of Computer Science — Gujarat Technological University, India

July 2019 – May 2023

- Core Focus: Software Development (.NET C#, Java, JavaScript), Databases, Networking, Data Science, and Machine Learning

WORK EXPERIENCE

Software Developer — Caspoint Pvt. Ltd., India

July 2023 – September 2024

- Contributed to development and maintenance of high-performance enterprise applications used by large-scale clients.
- Worked on distributed automation systems for scheduled task execution across clustered environments, improving operational reliability and reducing manual intervention.
- Built backend services in **C# (.NET)** integrated with **PostgreSQL**, **Redis**, and **RabbitMQ** to support asynchronous and message-driven workflows.
- Refactored processing logic into independent microservices, improving response time by approximately 1.5 seconds in critical workflows.
- Developed internal automation tools including a database Script Executor and FOIA auto-scheduler, reducing DevOps effort and improving execution speed by ~40%.
- Participated in **Agile Scrum**, peer code reviews, and **CI/CD pipelines** via **Azure DevOps**; diagnosed and resolved production incidents across distributed systems.

Intern — Software Development — Caspoint Pvt. Ltd., India

January 2023 – June 2023

- Gained hands-on experience in **.NET application** development with emphasis on clean architecture and dependency injection.
- Contributed to backend and UI features using **Redis**, **RabbitMQ**, **PostgreSQL**, and **Kendo UI**. Participated in production debugging and learned enterprise coding standards within a large-scale system environment.

PROJECTS

Orchflow — Distributed and Managed Data Preprocessing Software

Tech: Node.js, Next.js, PostgreSQL, Redis, RabbitMQ, Docker, .NET Background Services, ELK Stack, S3, Material UI

- Built a managed preprocessing service for Machine Learning teams. You submit a dataset, select your steps, get back clean data. No infrastructure to manage.
- Implemented distributed message-driven architecture using RabbitMQ and Redis; services containerised with Docker and deployed independently.
- Integrated ELK Stack for centralised logging and real-time monitoring of agent health, job status, and system throughput.
- Designed end-to-end authentication and authorisation across services.
- Finalizing pre-launch preparations.

C# Debug Visualizer — VS Code Extension

5,000+ active users • [csharp-debug-visualizer](#) • Published on VS Code Marketplace

Tech: TypeScript, VS Code API, HTML, CSS, GitHub Actions

- Designed and published a developer tool that visualises complex C# data structures during debugging sessions, filling a gap in the VS Code ecosystem.
- Migrated the codebase from JavaScript to TypeScript and changed variable fetching architecture, improving execution performance by 113%.

Network Intrusion Detection System

Tech: Python, Docker

- Built a Python-based NIDS inside a simulated Docker environment, focusing on packet inspection and anomaly detection in containerised infrastructure.

TECHNICAL SKILLS

- **Backend:** .NET (C#), Node.js, TypeScript, Java, PostgreSQL, MongoDB, Redis, RabbitMQ, REST APIs
- **Frontend:** React, Next.js, SSR, Material UI, Kendo UI
- **Cloud & DevOps:** Google Cloud Platform, Docker, CI/CD, Azure DevOps, GitHub, GitHub Actions
- **Monitoring & Observability:** ELK Stack (Elasticsearch, Logstash, Kibana), Centralised logging
- **Testing & Practices:** TDD, Unit Testing, Integration Testing, Clean Code, Secure Coding, Agile, SDLC
- **Other:** Python, Bash scripting, Linux/Unix command-line

HOBBIES

- Playing Acoustic Guitar
- Hiking and Trekking
- Exercising
- Cooking

REFERENCES

Available upon request