



# Christopher Sy Alba

## Work Experience (Previous 4 Roles)

### Turners Automotive Group Digital - Software Engineer (Paid | Fulltime)

July 2023 – Present

As a software engineer, I have completed a few projects for internal use at Turners. I am responsible for the creation and maintenance of web applications, which includes unit tests. The impact I have at the company is wide as I alleviate workloads from other developers, and my input into projects have been well received.

### Turners Automotive Group Digital – Graduate Software Engineer (Paid | Part time → Full time)

June 2022 – July 2023

As a graduate software engineer, I started off in the QA space, writing integration tests for Turner’s main website. My contributions ensured that their website had as few bugs as possible, and reduced the workload of the test engineers who had to manually test the website.

### Henry Schein One – Software Developer Intern (Paid | Fulltime)

November 2021 – February 2022 (400 hours)

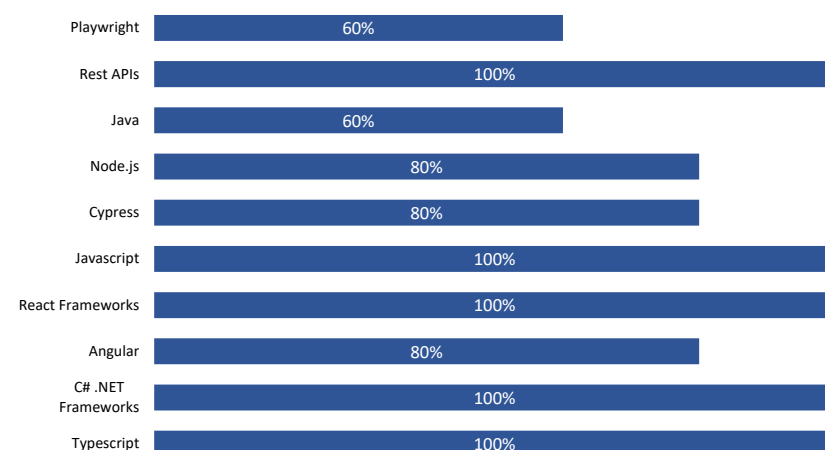
Designed UX and UI for web applications. Implemented UX and UI in Blazor C# web applications. Implemented the backend in C# web applications. Wrote unit tests for the backend in C# web applications.

### Jasper – Frontend Software Engineer Intern (Paid | Fulltime)

November 2020 – February 2021 (416 hours)

Implemented UX and UI in React applications and wrote automated unit tests. Wrote documentation and planned tasks and stories. Performed maintenance on existing codebase.

## Main Technologies – Confidence Rating



## Soft Skills

Fast Learner	Lifelong learner
Teamwork	Self-development
Problem Solving	Breaking down large tasks
Learning Technologies	Platform Agnostic
Time management	Organisational Skills
Leadership	Self-motivated

Apart from my technology knowledge, I also have numerous soft skills. These skills help to improve my overall performance at work and are what makes me an asset to any company. I have been tasked to create significant parts of production projects at multiple companies I have worked for, which required me to apply all these key soft skills to bring the projects to completion.

## Introduction

Hello! I'm a software engineer with 3 years of experience working in a full-stack environment. I currently enjoy both front-end and back-end work and have some experience in developing AI related applications and machine learning models in Python. I mostly work with C# .NET microservices and modern Angular in the frontend. Unit testing is at the core of my development processes to ensure code quality before working with testers to test actual functionality.

## Websites

### Portfolio Website:

<https://christopher-alba.com>

### LinkedIn:

<https://www.linkedin.com/in/christopher-alba>

### GitHub:

<https://github.com/christopher-alba>

## Contact

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References Provided Upon Request.

## Some Industry Projects

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### **Dealerbase API TradeMe Integration | TAG Digital (Software Engineer) | November 2023 to March 2023 (project build duration) | Main Code Contributor**

At Turners, I was responsible for creating a C# .NET microservice within a larger ecosystem, that is responsible for eventually uploading vehicles to the Trademe website through their Dealerbase API. It is also responsible for taking down the listings when appropriate, and updating them if the source of truth for the listings are updated. This was a fairly large and complex project, with many challenges that I overcame with the support and guidance of senior engineers, managers, and business analysts/product owners. As the main contributor to the code of the project, I am responsible for its maintenance and continued performance in the production environment. This involves monitoring Datadog logs and memory/cpu consumption in production, executing messages from SQS dead-letter-queues after updating DynamoDB tables, and in training other colleagues so they can contribute to this project as well. The purpose of this project was to replace the old and deprecated way of uploading Trademe listings at Turners. Due to its nature and architecture, listings can now be modified and taken down almost real-time, instead of having to wait daily.

**Key Tools:** C#, .NET, AWS, Git, Bit Bucket, JIRA, Mustache (for templating strings), Docker, PostgreSQL, Kubernetes, Terraform.

**Key Skills:** creating solutions to difficult problems, coding, teamwork, project management, performance monitoring, maintenance,

### **InfoNow Internal Tool | TAG Digital (Software Engineer) | Indefinite (project build duration) | Supporting Code Contributor**

As a supporting engineer in this project, I make regular code contributions to both the frontend application and backend microservices to help progress this project. This internal tool is to help Turner's vendors and vendor groups to manage their stock of goods that they sell through Turners. This is a large project and is still ongoing with planned future enhancements and bug fixes. Some of my contributions have enhanced the user experience, as well as improved performance and experience of certain file exporting systems in InfoNow. As this is a fully fledged full stack project, I have a full understanding of how the client interacts with the microservices, and how the microservices interact with AWS cloud services. In fact, the microservices used in this project are shared with the Dealerbase integration above, which means the two projects are slightly linked to each other in terms of architecture.

**Key Tools:** C#, .NET, AWS, Git, Bit Bucket, JIRA, Angular, Cypress, Typescript, HTML, CSS, Docker, PostgreSQL, Kubernetes, Terraform.

**Key Skills:** creating solutions to difficult problems, coding, teamwork

### **Exact Modules Registration Page | Henry Schein One (internship) | December 2021 | Main Code Contributor**

This project at my internship required me to design and build a user interface (frontend) and communicate with the backend of onsite installations of Exact software in dental practices by writing some by code in the backend. This was a medium sized project and took approximately 3 weeks to complete and required close teamwork with the product owner and senior developers. As a result of this project, the support staff at Henry Schein One could easily register/unregister Exact and its related modules for specific practices with the click of a button, instead of the previous way that took around 20 minutes.

**Key Tools:** C#, .NET, Blazor, Git, Microsoft Azure, AdobeXD

**Key Skills:** problem solving, coding, teamwork, project management, design

## EDUCATION

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### **University of Auckland**

Bachelor of Engineering (Honors) in Computer Systems

2018 – 2022

Graduated with 2<sup>nd</sup> class honors 2<sup>nd</sup> division

Numerous software papers with overall A-grade

### **Dev Academy (Newmarket)**

Software Development Bootcamp

March 2022 – June 2022

Graduated